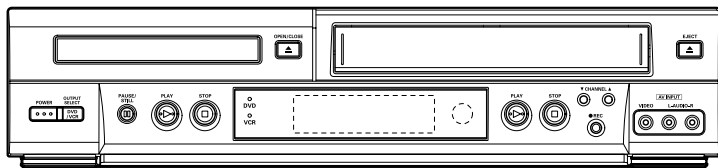




SERVICE MANUAL

DVD Player + Video Cassette Recorder



HV-DX1E

(Product Code : 143 187 02)
(U.K.)

HV-DX1EV

(Product Code : 143 187 03)
(Europe)

HV-DX1SP

(Product Code : 143 187 04)
(Spain)

CAUTION

This product utilizes a laser.

The adjustment other than those specified herein may result in hazardous radiation exposure.

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SECTION 2 CABINET & MAIN CHASSIS

SECTION 3 ELECTRICAL

SECTION 4 MECHANISM OF VCR PART

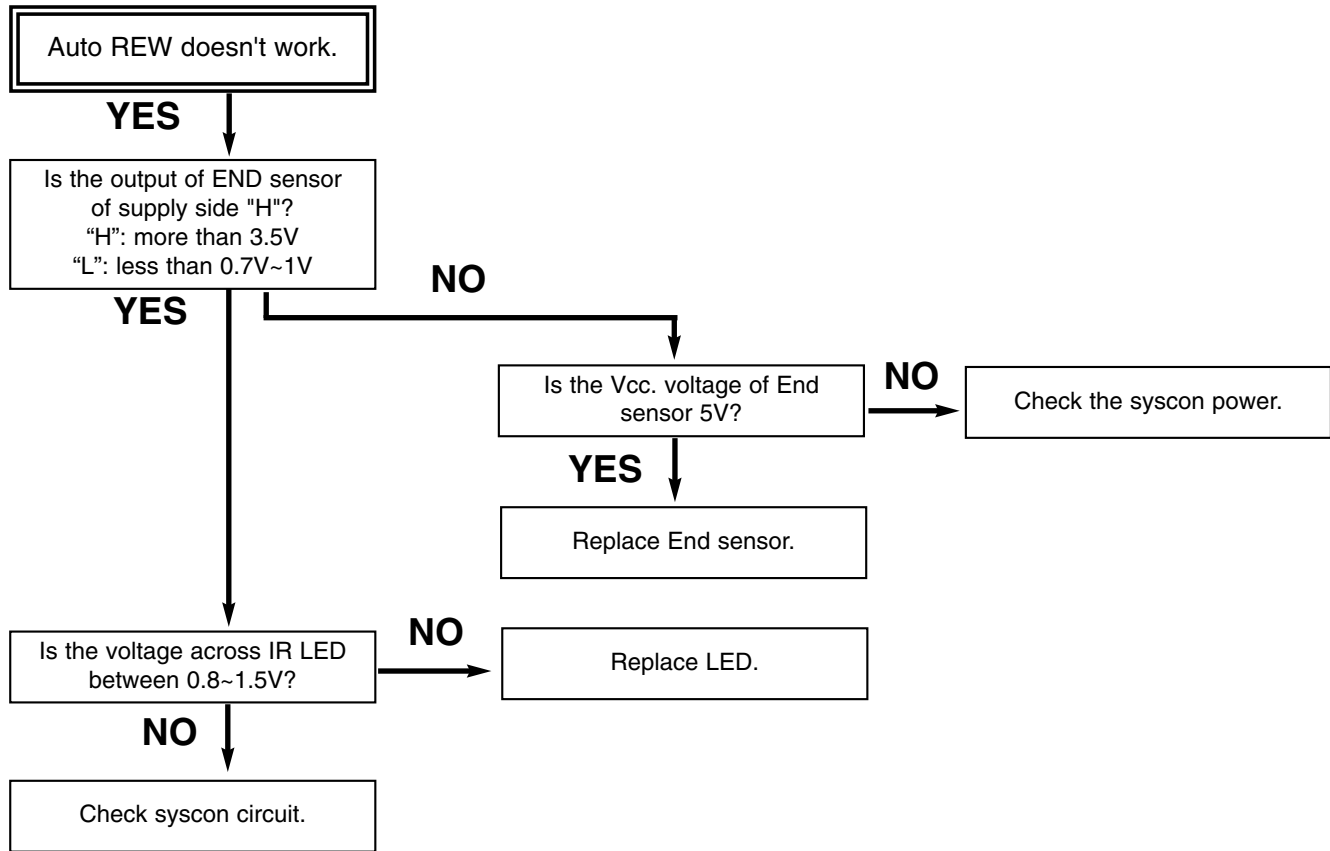
SECTION 5 MECHANISM OF DVD PART

SECTION 6 REPLACEMENT PARTS LIST

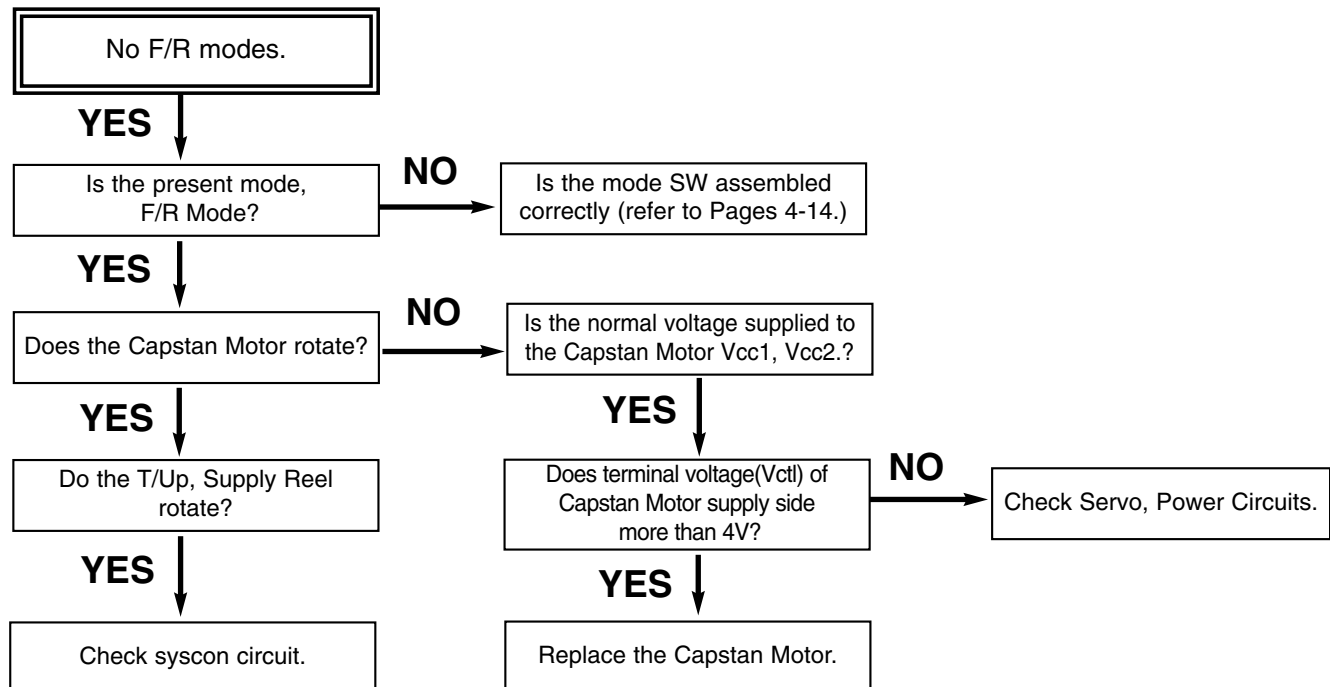
MECHANISM TROUBLESHOOTING GUIDE

1. Deck Mechanism

A.

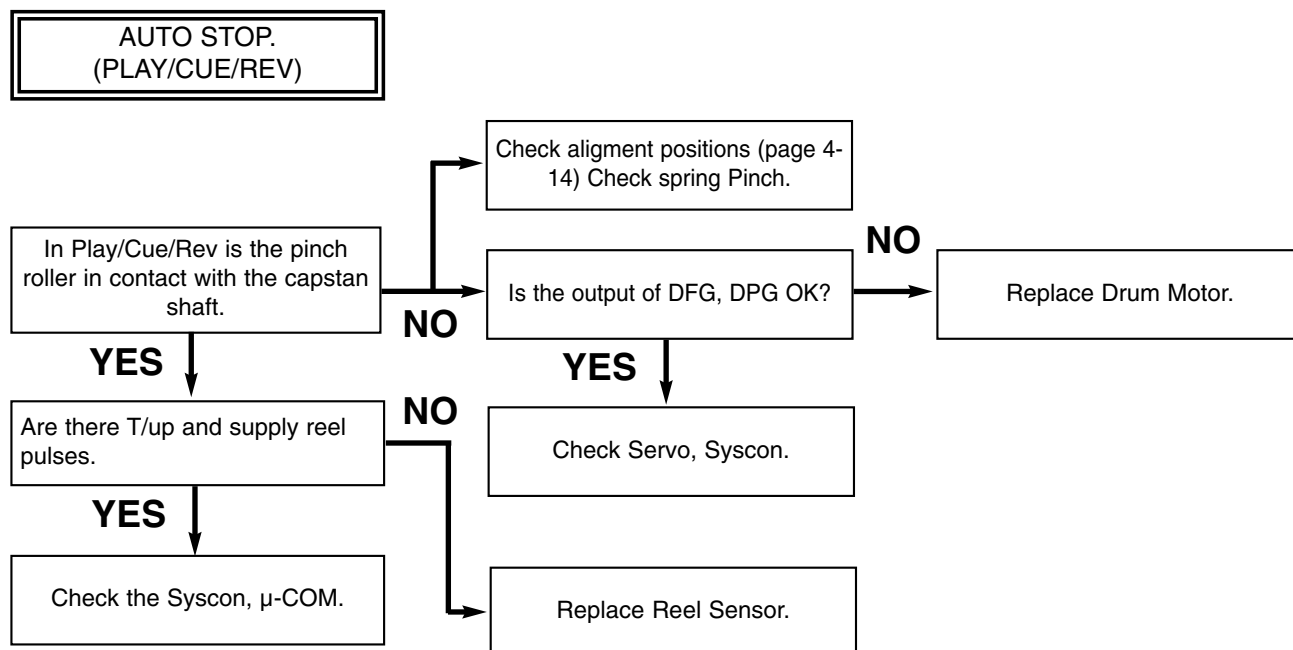


B.

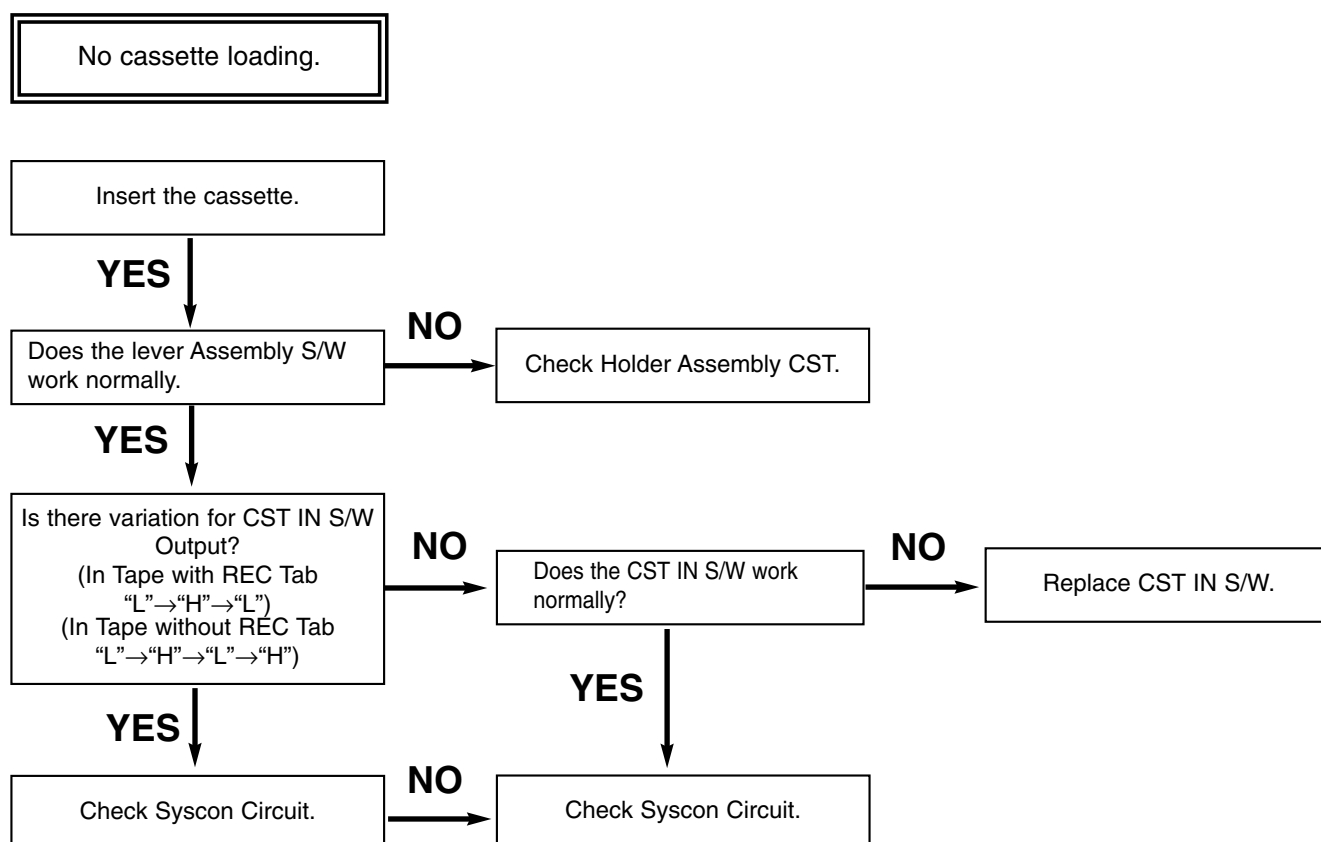


MECHANISM TROUBLESHOOTING GUIDE

C.

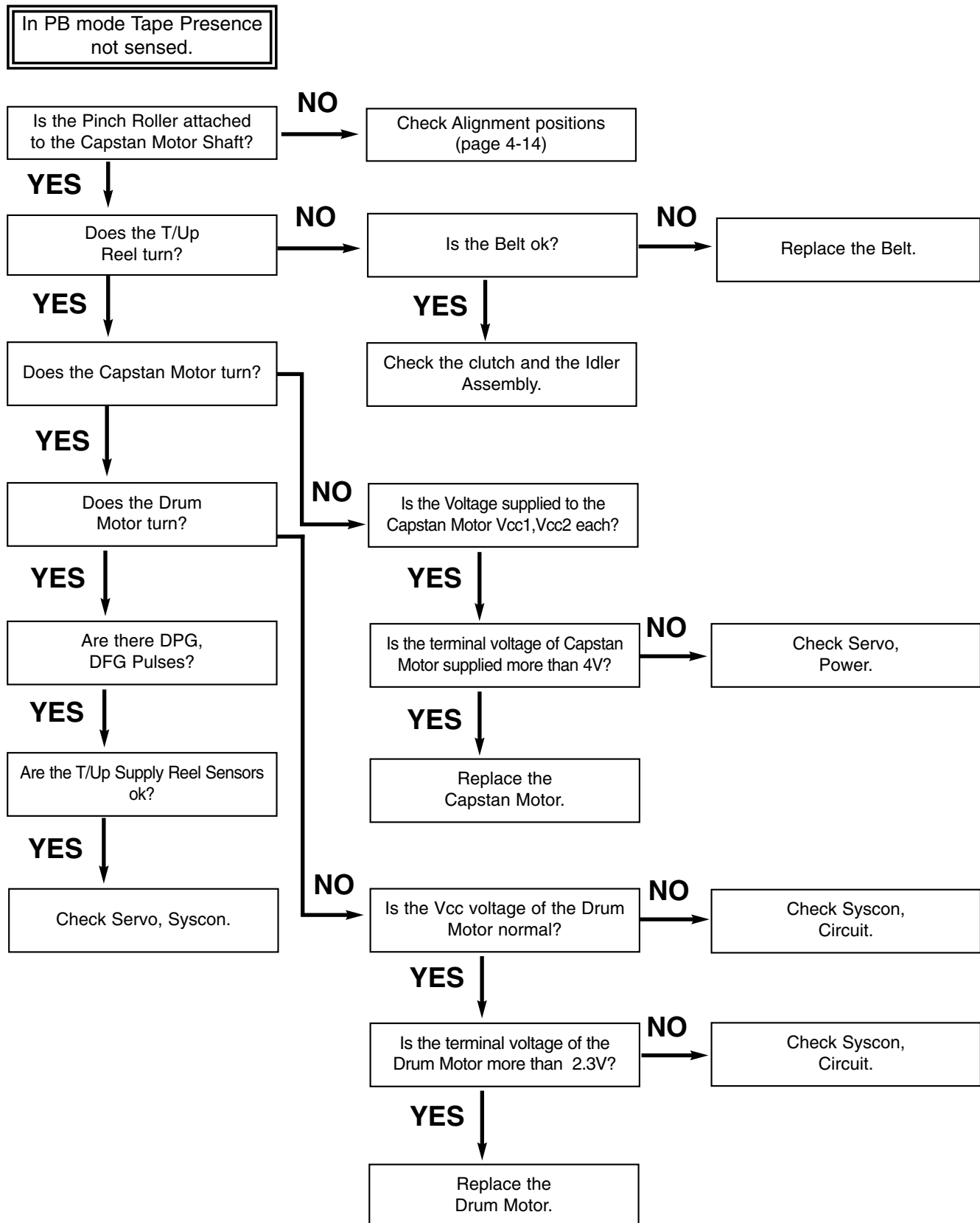


D.



MECHANISM TROUBLESHOOTING GUIDE

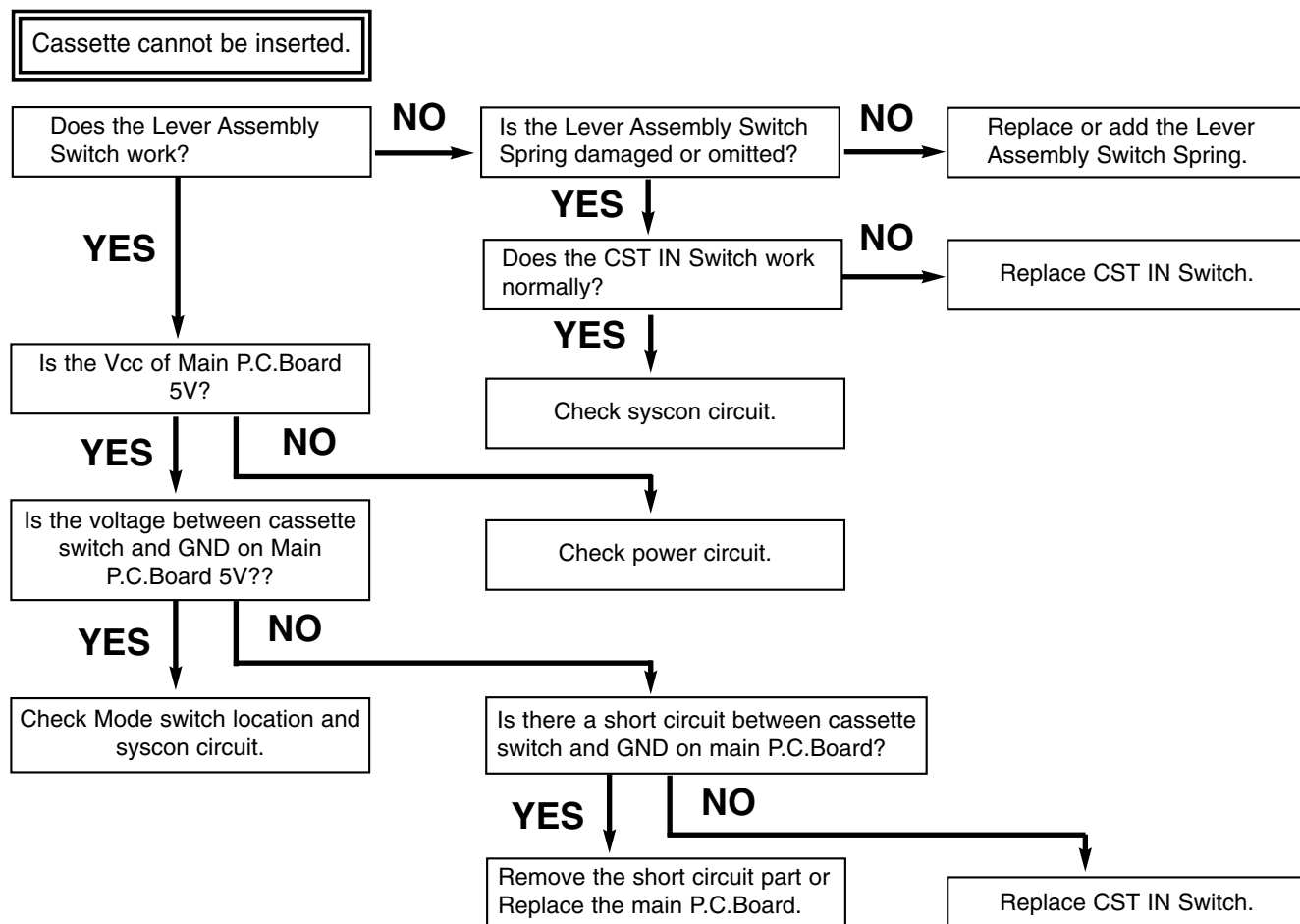
E.



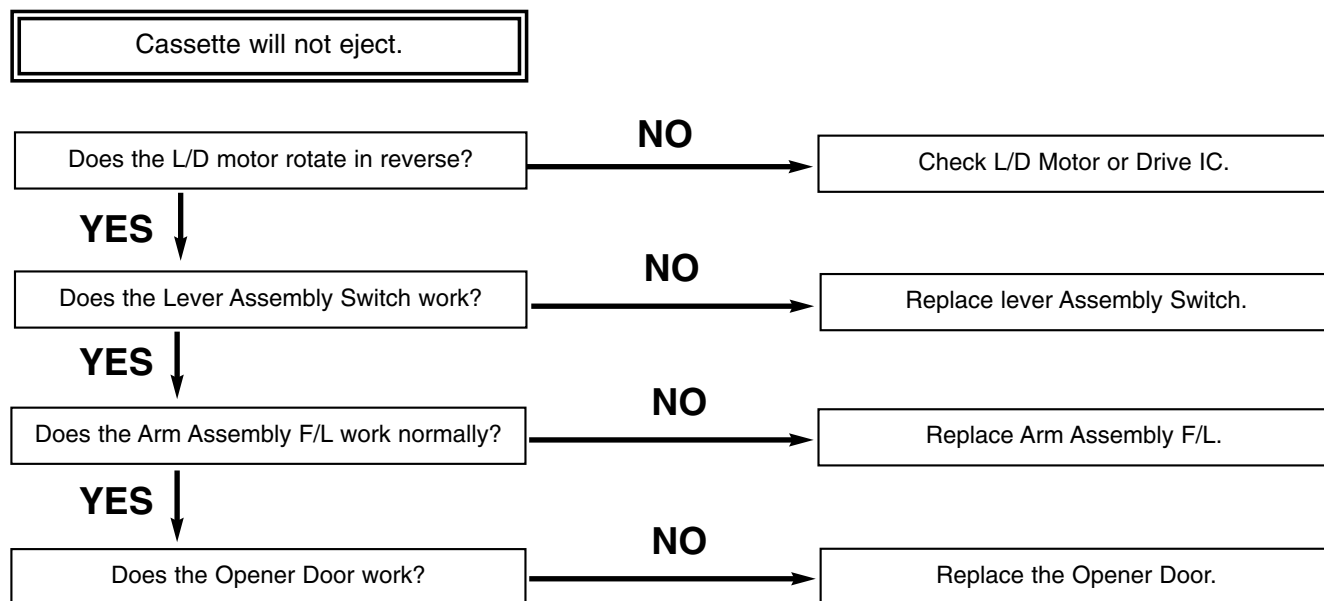
MECHANISM TROUBLESHOOTING GUIDE

2. Front Loading Mechanism

A.

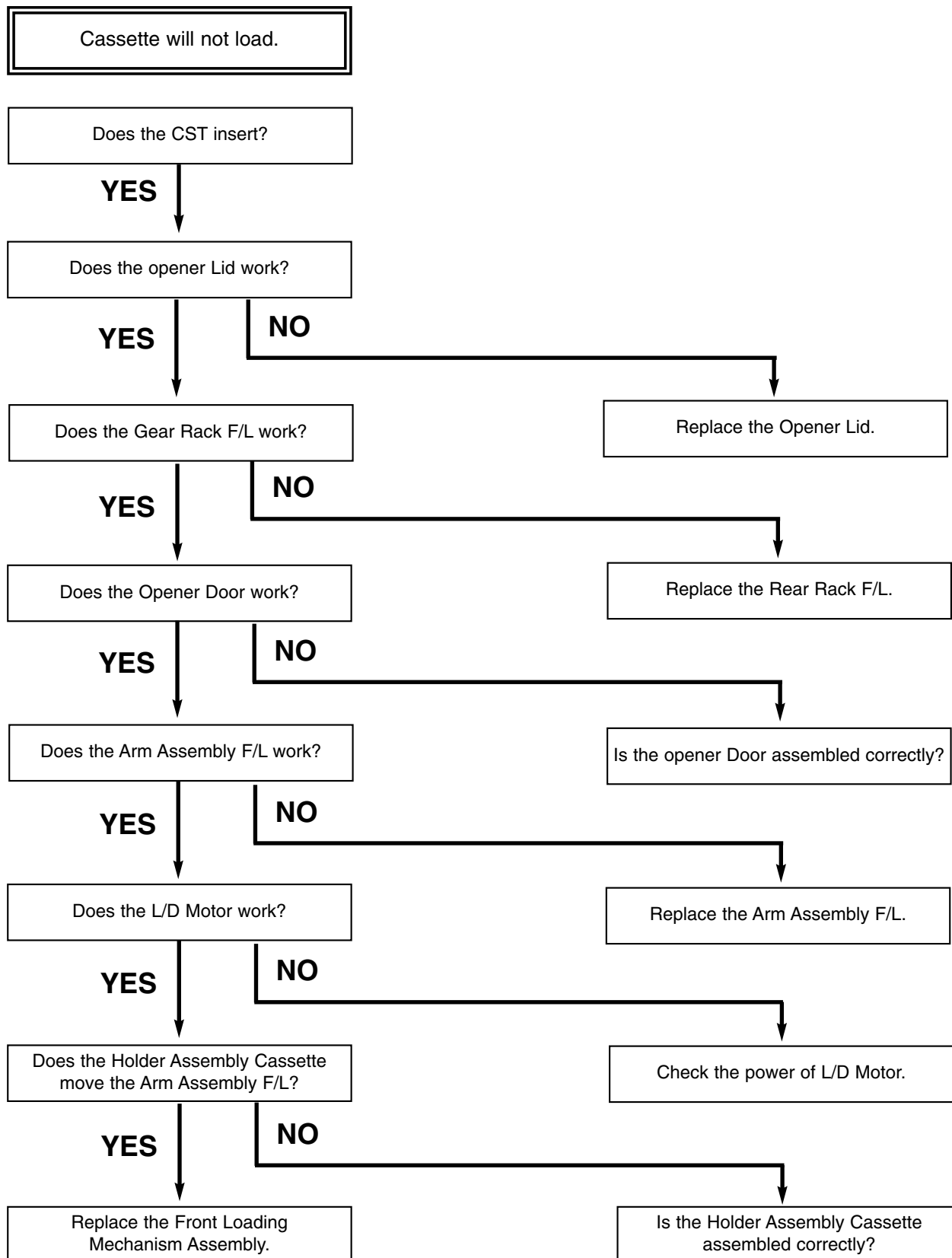


B.



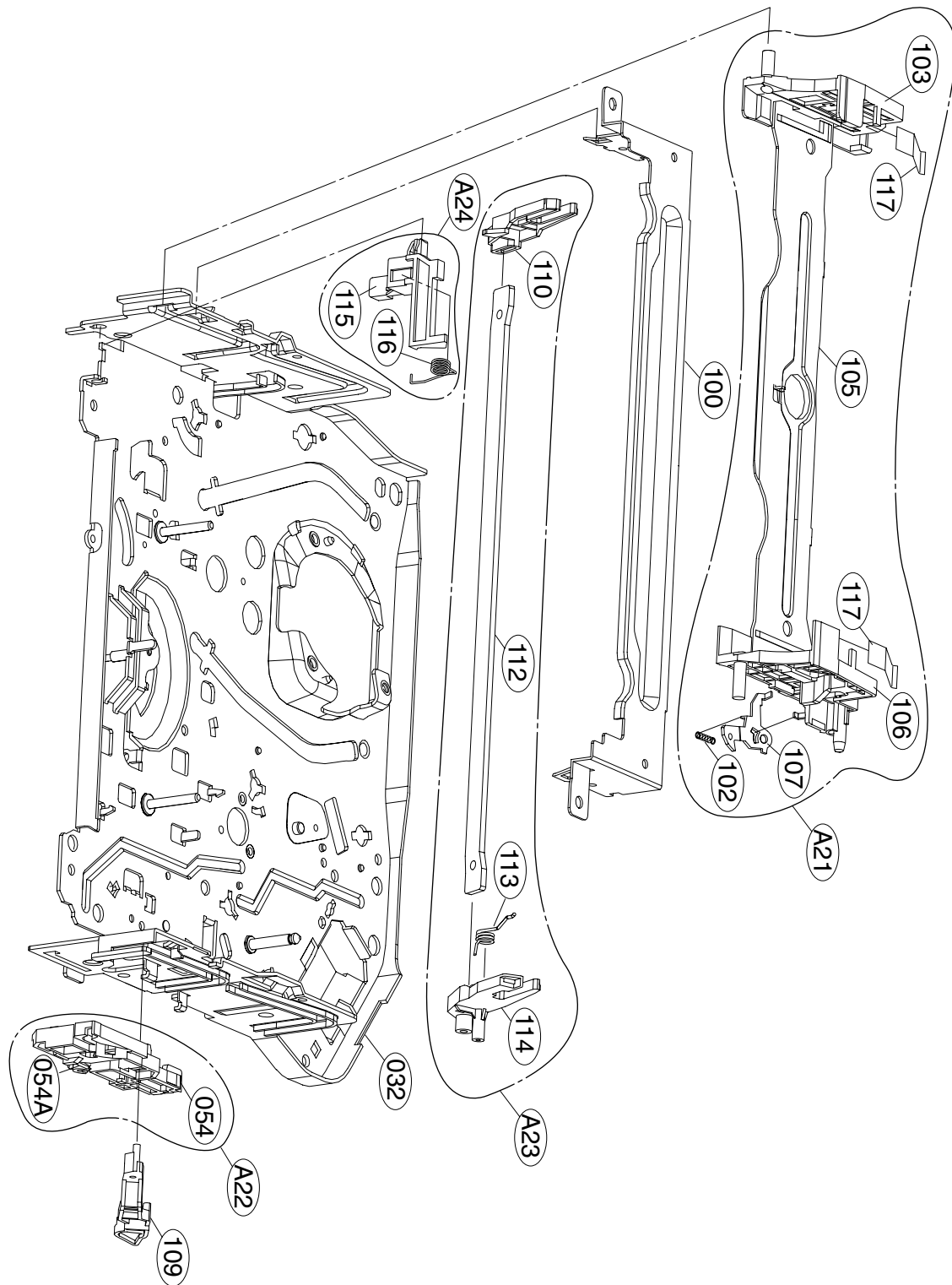
MECHANISM TROUBLESHOOTING GUIDE

C.



EXPLODED VIEWS

1. Front Loading Mechanism Section



2. Moving Mechanism Section(1)

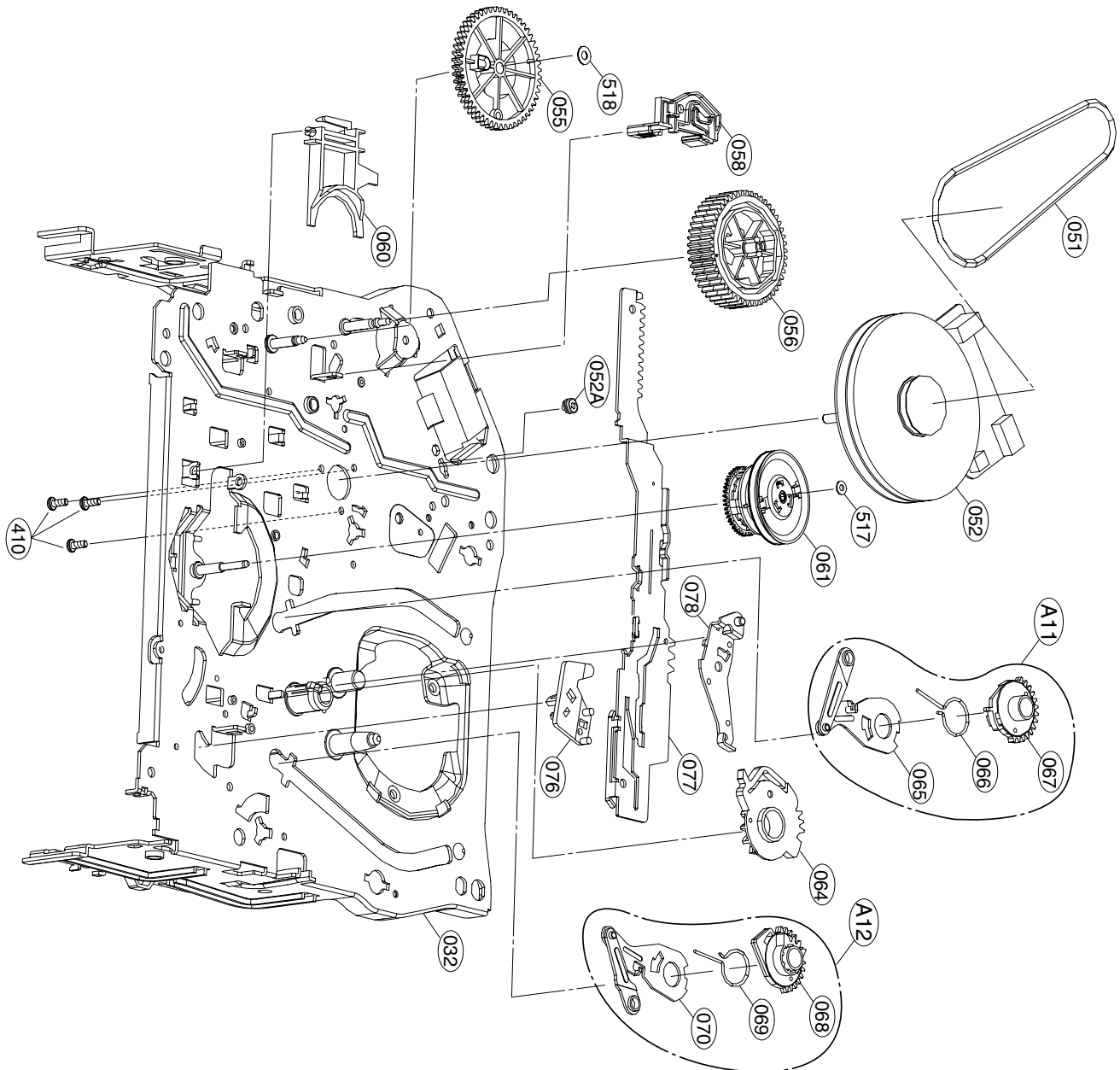
This diagram illustrates the exploded view of a mechanical assembly, showing the relationship between various components. The parts are numbered as follows:

- 001**: Main housing or base.
- 002**: Small circular components, possibly filters or caps.
- 003**: Small rectangular component.
- 004**: Small rectangular component.
- 005**: Small rectangular component.
- 006**: Small rectangular component.
- 007**: Small rectangular component.
- 008**: Long, thin rectangular component.
- 009**: Small rectangular component.
- 010**: Small rectangular component.
- 011**: Small rectangular component.
- 012**: Small rectangular component.
- 013**: Small rectangular component.
- 014**: Small rectangular component.
- 015**: Small rectangular component.
- 016**: Small rectangular component.
- 017**: Small rectangular component.
- 018**: Small rectangular component.
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- 020**: Small rectangular component.
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- 023**: Small rectangular component.
- 024**: Small rectangular component.
- 025**: Small rectangular component.
- 026**: Small rectangular component.
- 027**: Small rectangular component.
- 028**: Small rectangular component.
- 029**: Small rectangular component.
- 030**: Small rectangular component.
- 031**: Small rectangular component.
- 032**: Small rectangular component.
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- 053**: Small rectangular component.
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- 081**: Small rectangular component.
- 082**: Small rectangular component.
- 083**: Small rectangular component.
- 084**: Small rectangular component.
- 085**: Small rectangular component.
- 086**: Small rectangular component.
- 087**: Small rectangular component.
- 088**: Small rectangular component.
- 089**: Small rectangular component.
- 090**: Small rectangular component.
- 091**: Small rectangular component.
- 092**: Small rectangular component.
- 093**: Small rectangular component.
- 094**: Small rectangular component.
- 095**: Small rectangular component.
- 096**: Small rectangular component.
- 097**: Small rectangular component.
- 098**: Small rectangular component.
- 099**: Small rectangular component.
- 100**: Small rectangular component.

The diagram includes assembly instructions such as "Insert the pin into the hole" and "Insert the pin into the hole".

EXPLODED VIEWS

3. Moving Mechanism Section(2)



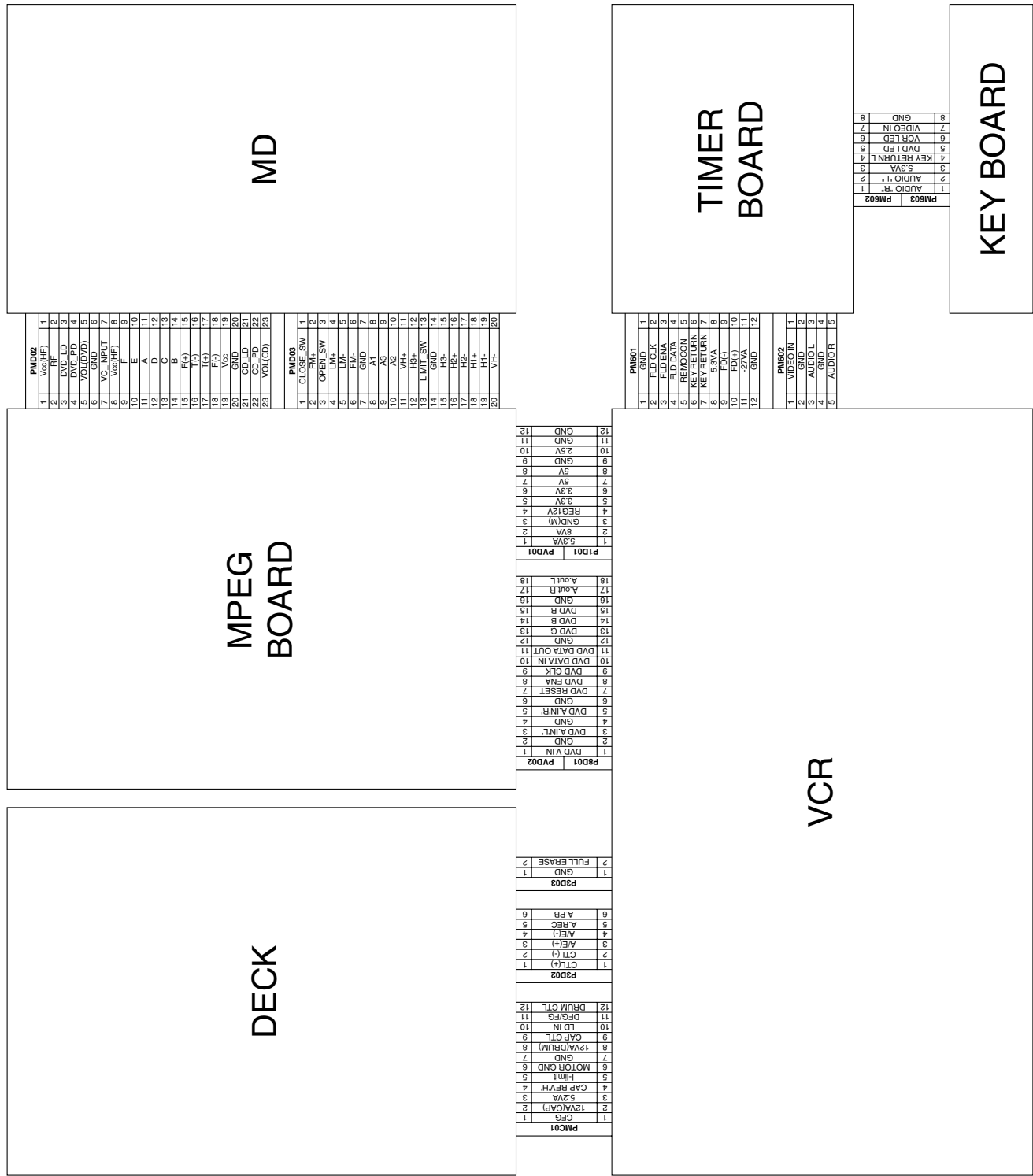
SECTION 3

ELECTRICAL

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OVERALL WIRING DIAGRAM



VCR PART

ELECTRICAL ADJUSTMENT PROCEDURES

1. Servo Adjustment

- 1) PG Adjustment
 - Test Equipment

a) OSCILLOSCOPE

C) PAL MODEL : PAL SP TEST TAPE

b) NTSC MODEL : NTSC SP TEST TAPE

• Adjustment And Specification

MODE	MEASUREMENT POINT	ADJUSTMENT POINT	SPECIFICATION
PLAY	V.Out H/SW(W373, W374)	R/C TRK JIG KEY	$6.5 \pm 0.5H$

• Adjustment Procedure

a) Insert the SP Test Tape and play.

Note - Adjust the distance of X, pressing the Tracking(+) or Tracking(-) when the “ATR” is blink after the SP Test Tape is inserted.

b) Connect the CH1 of the oscilloscope to the H/SW(W373, W374) and CH2 to the Video Out for the VCR.

c) Trigger the mixed Combo Video Signal of CH2 to the CH1 H/SW(W373, W374), and then check the distance (time difference), which is from the selected A(B) Head point of the H/SW(W373, W374) signal to the starting point of the vertical synchronized signal, to $6.5H \pm 0.5H$ ($412\mu s$, $1H=63\mu s$).

• PG Adjustment Method

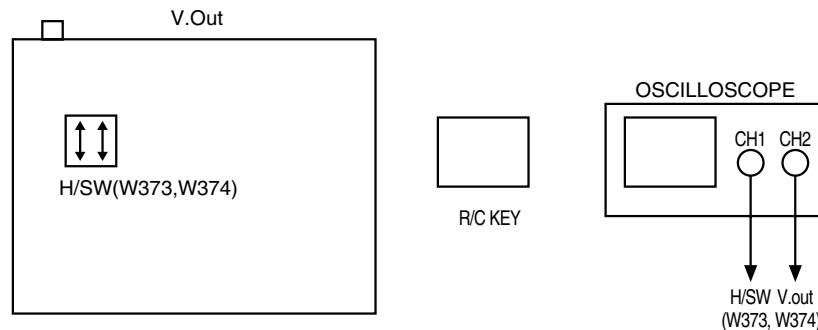
a-1) Playback the SP standard tape

b-2) Press the “1” key on the Remote controller and the “PLAY” key on the Front Panel the same time, then it goes in to Tracking initial mode. (Note: NTSC Model : “1” key and PAL Model “0” key on Remote controller)

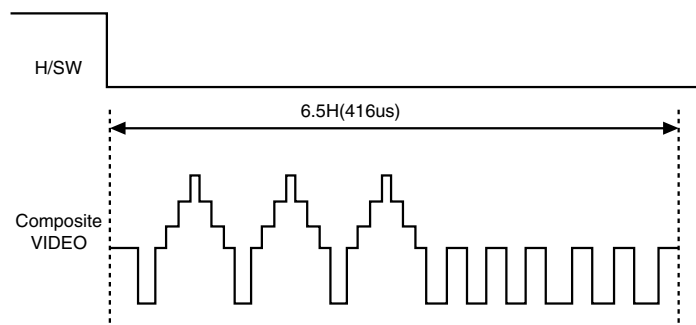
c-3) Repeat the above step(No.b-2), then it finishes the PG adjusting automatically.

d-4) Stop the playback, then it goes out to PG adjusting mode after many the PG data.

• CONNECTION



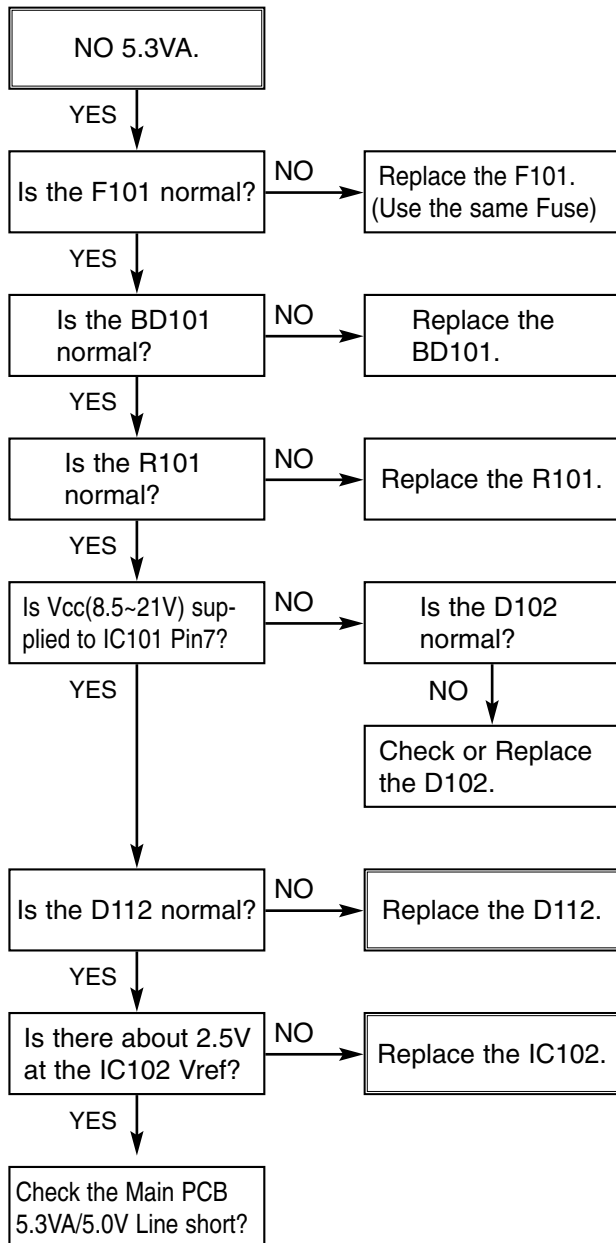
• WAVEFORM



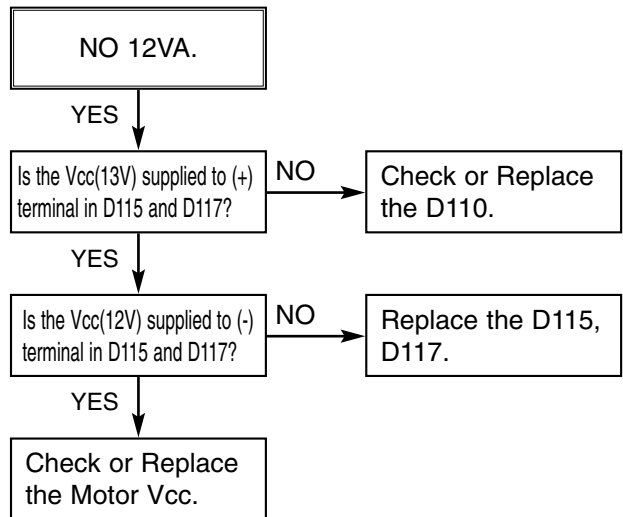
ELECTRICAL TROUBLESHOOTING GUIDE

1. Power(SMPS) CIRCUIT

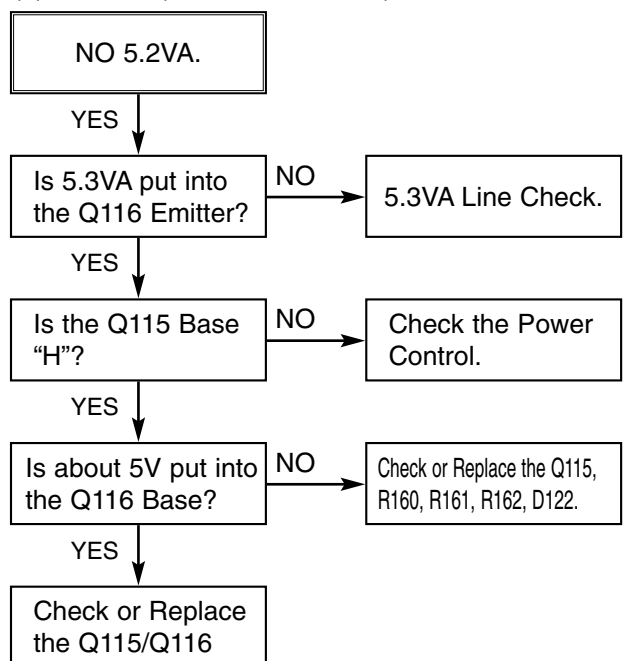
(1) No 5.3VA (SYS/Hi-Fi/TUNER)



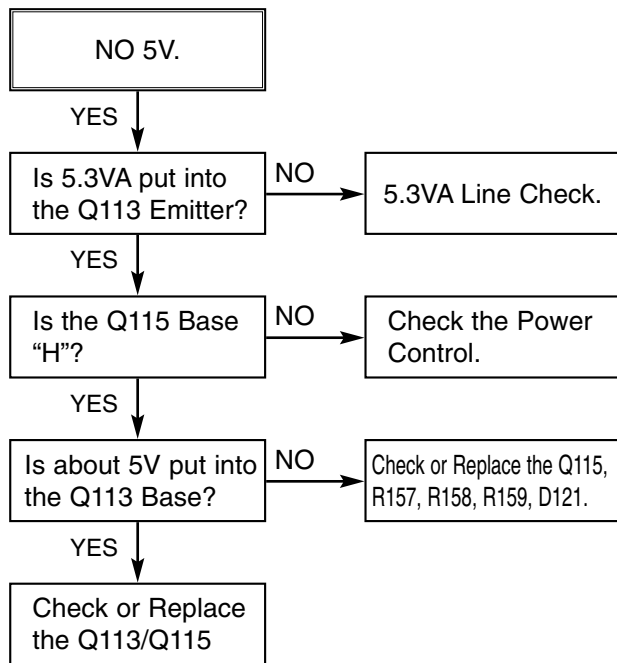
(2) No 12VA (TO CAP, DRUM MOTOR)



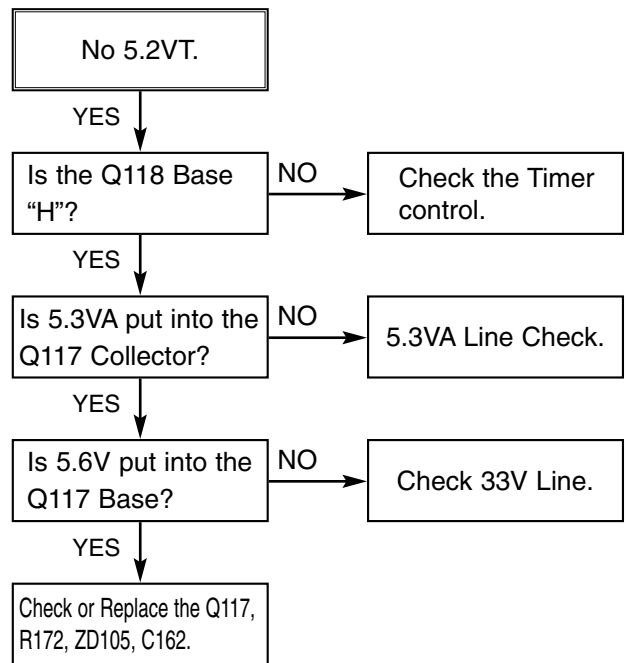
(3) No 5.2V (SYS/Hi-Fi/TUNER)



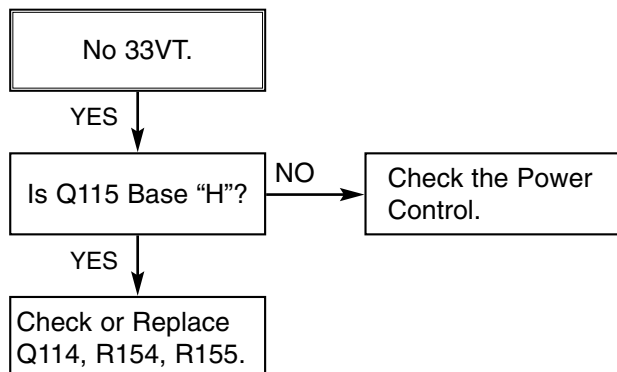
(4) No 5V (TO DVD)



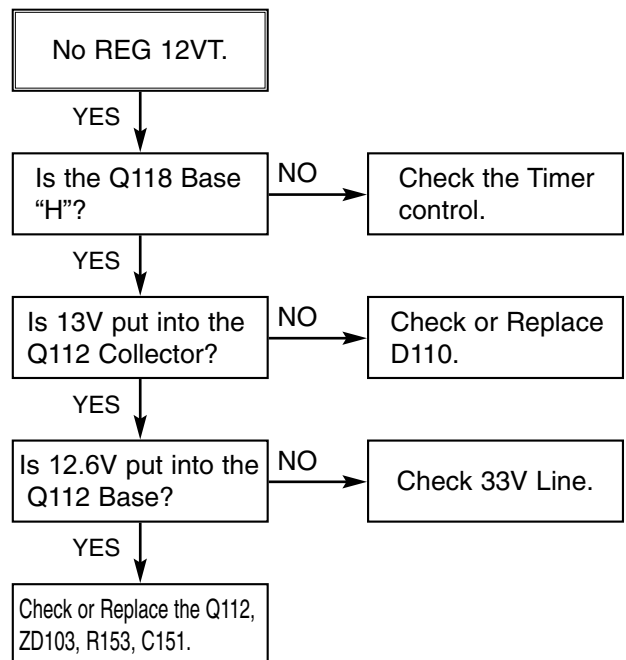
(5) No REG 5VT (SYS/AVCP/TU/CANAL)



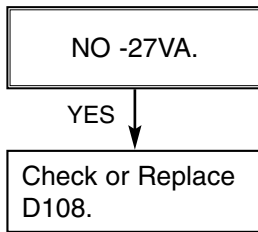
(6) No 33VT (TUNER)



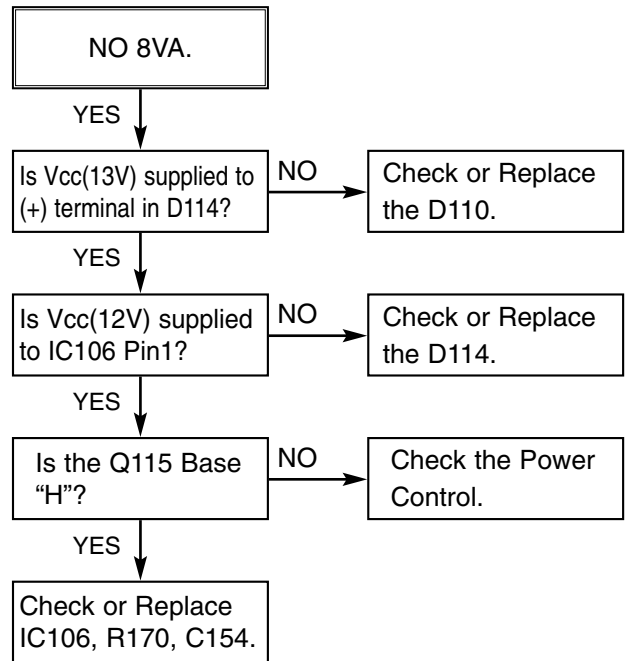
(7) No REG 12VT



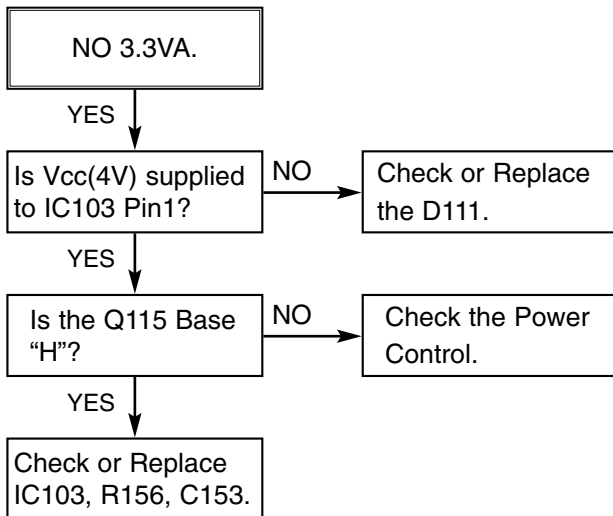
(8) No -27VA



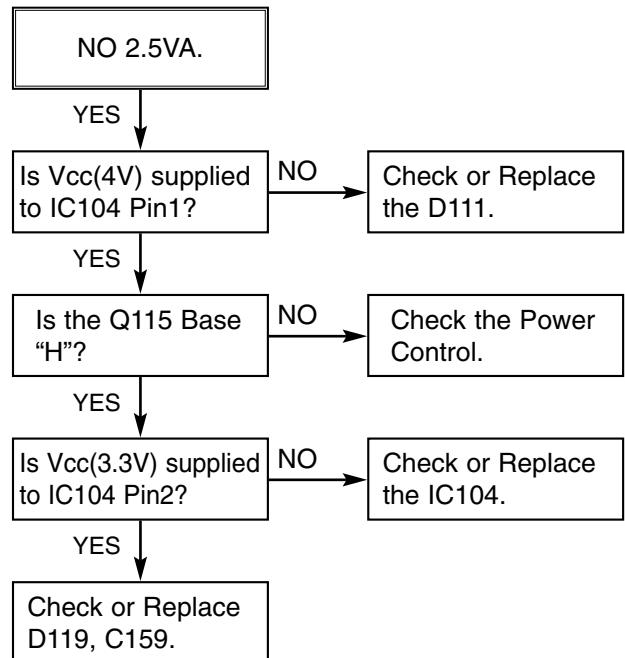
(9) No 8VA



(10) No 3.3V

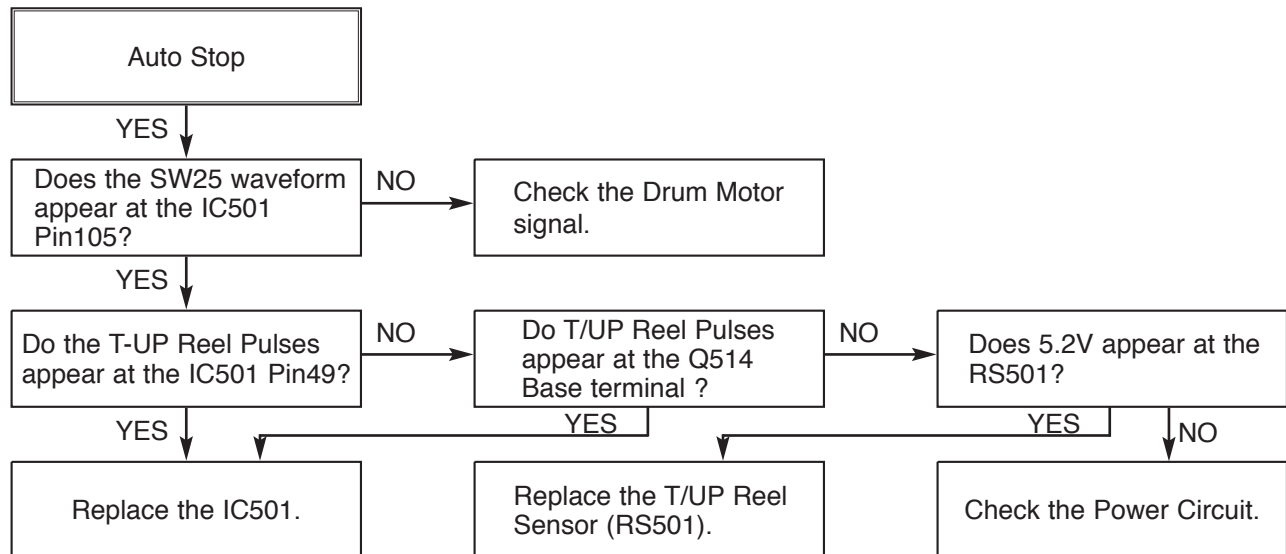


(11) No 2.5V



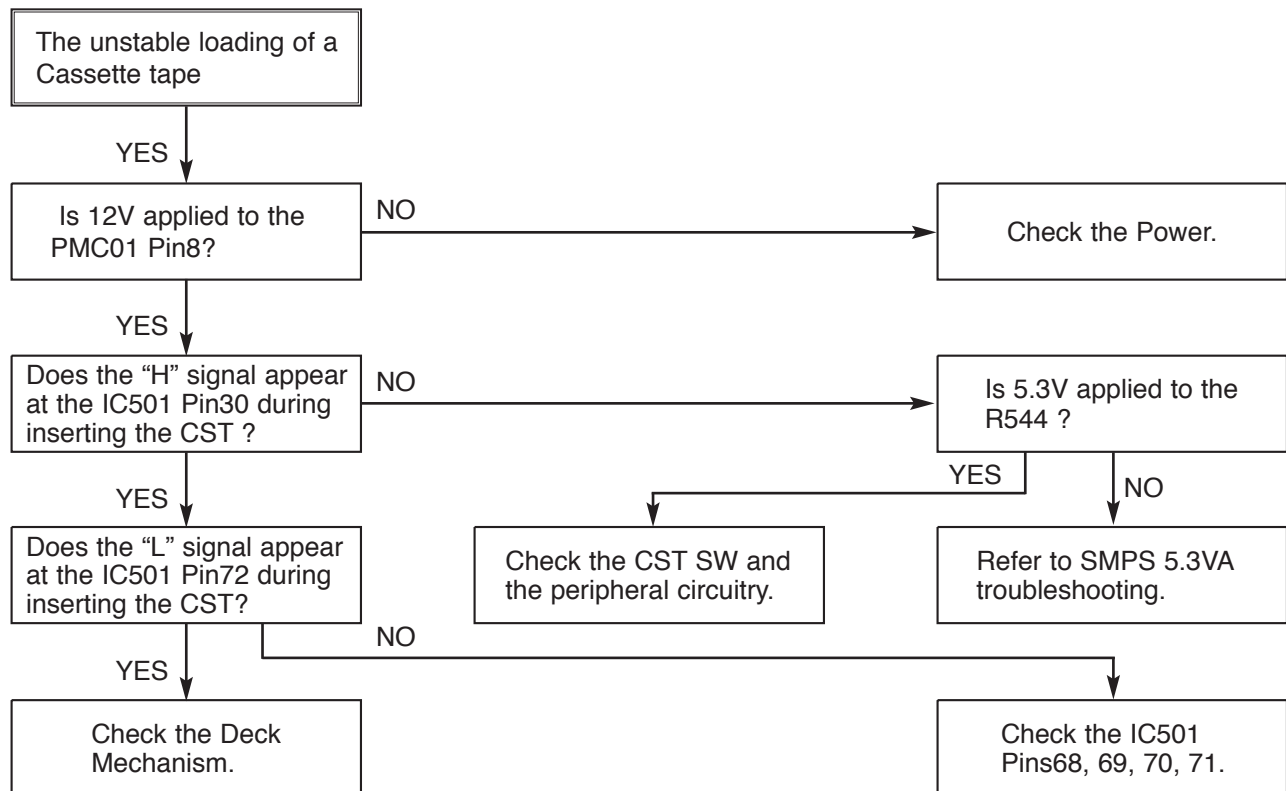
2. SYSTEM/KEY CIRCUIT

(1) AUTO STOP



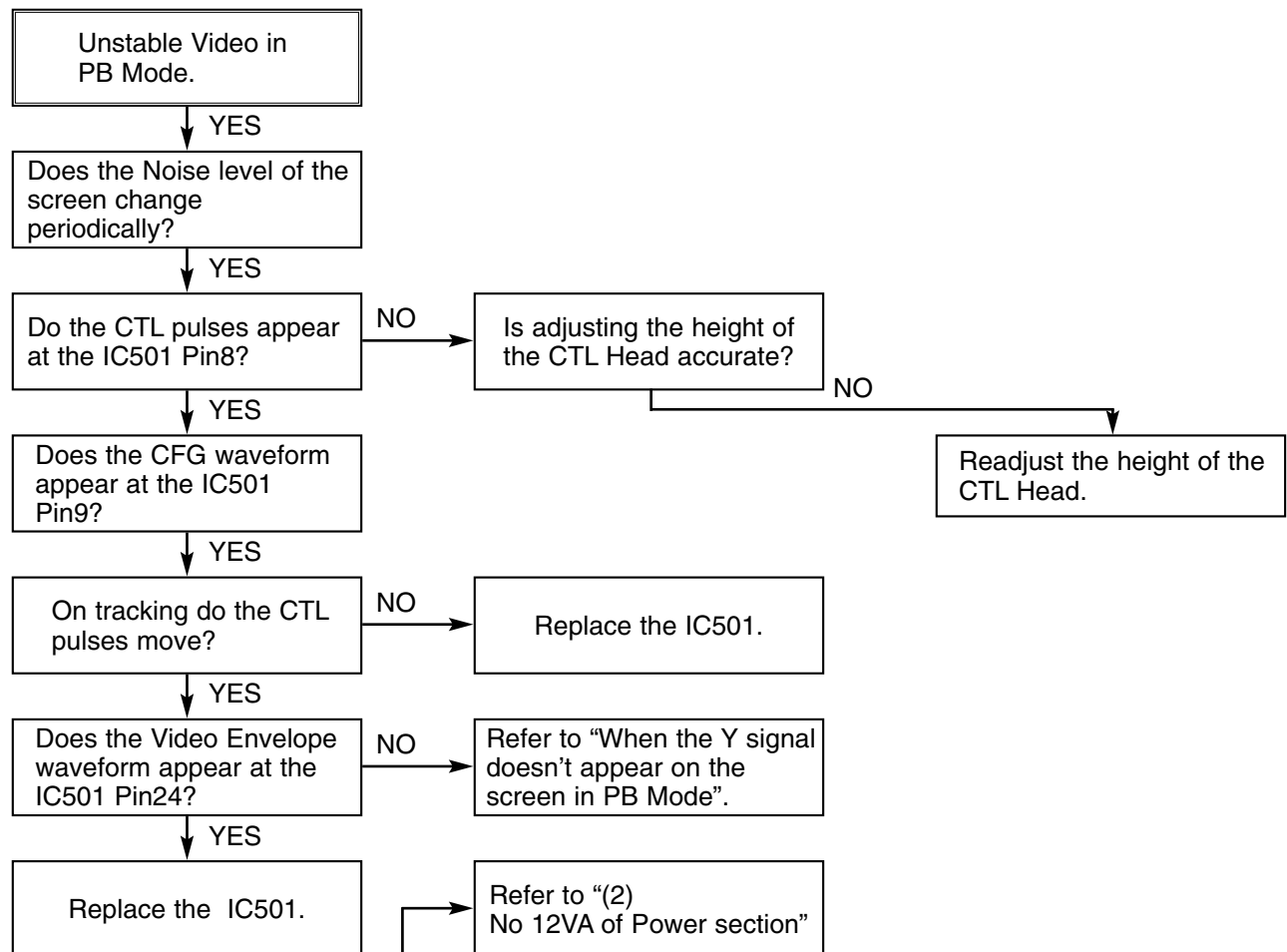
Caution : Auto stop can occur because Grease or Oil is dried up

(2) The unstable loading of a Cassette tape

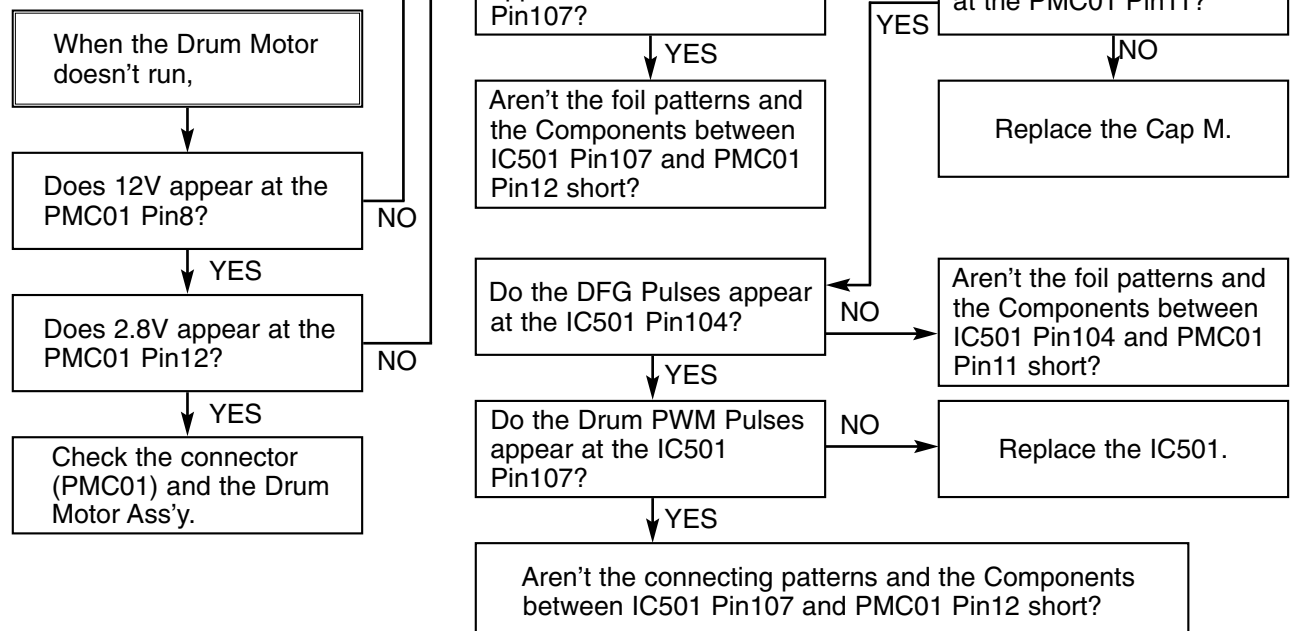


3. SERVO CIRCUIT

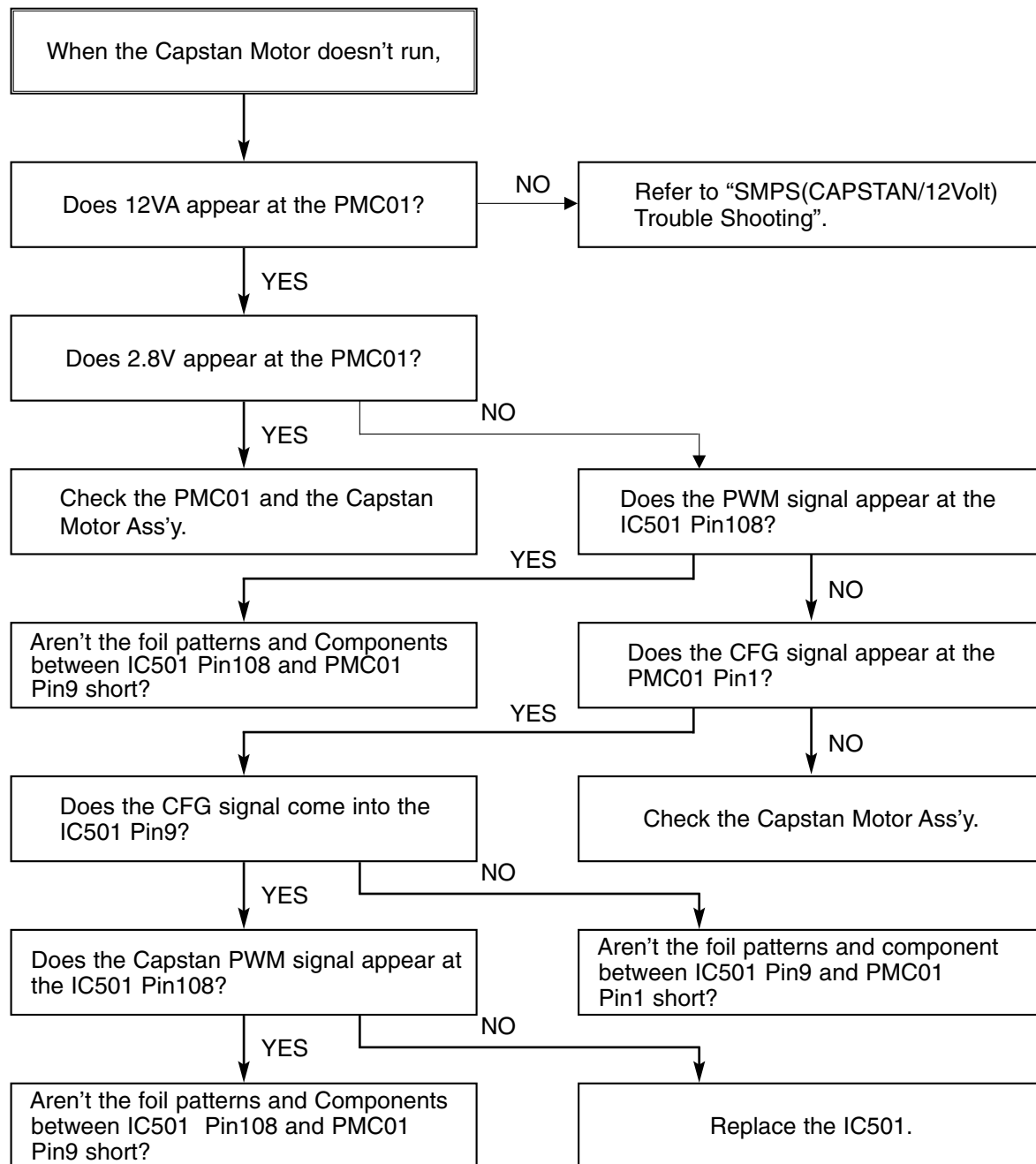
(1) Unstable Video in PB MODE



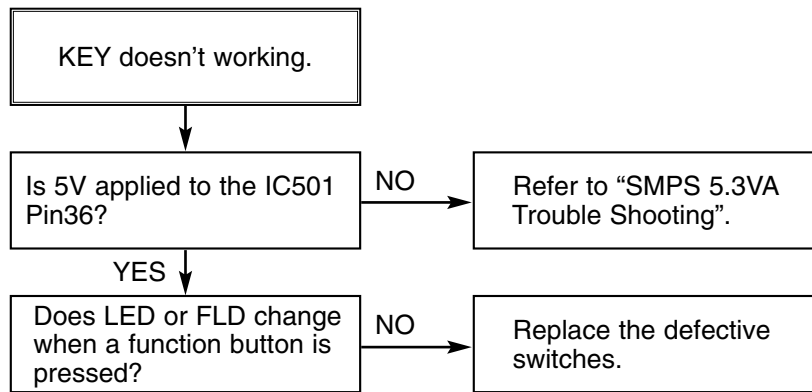
(2) When the Drum Motor doesn't run.



(3) When the Capstan Motor doesn't run,

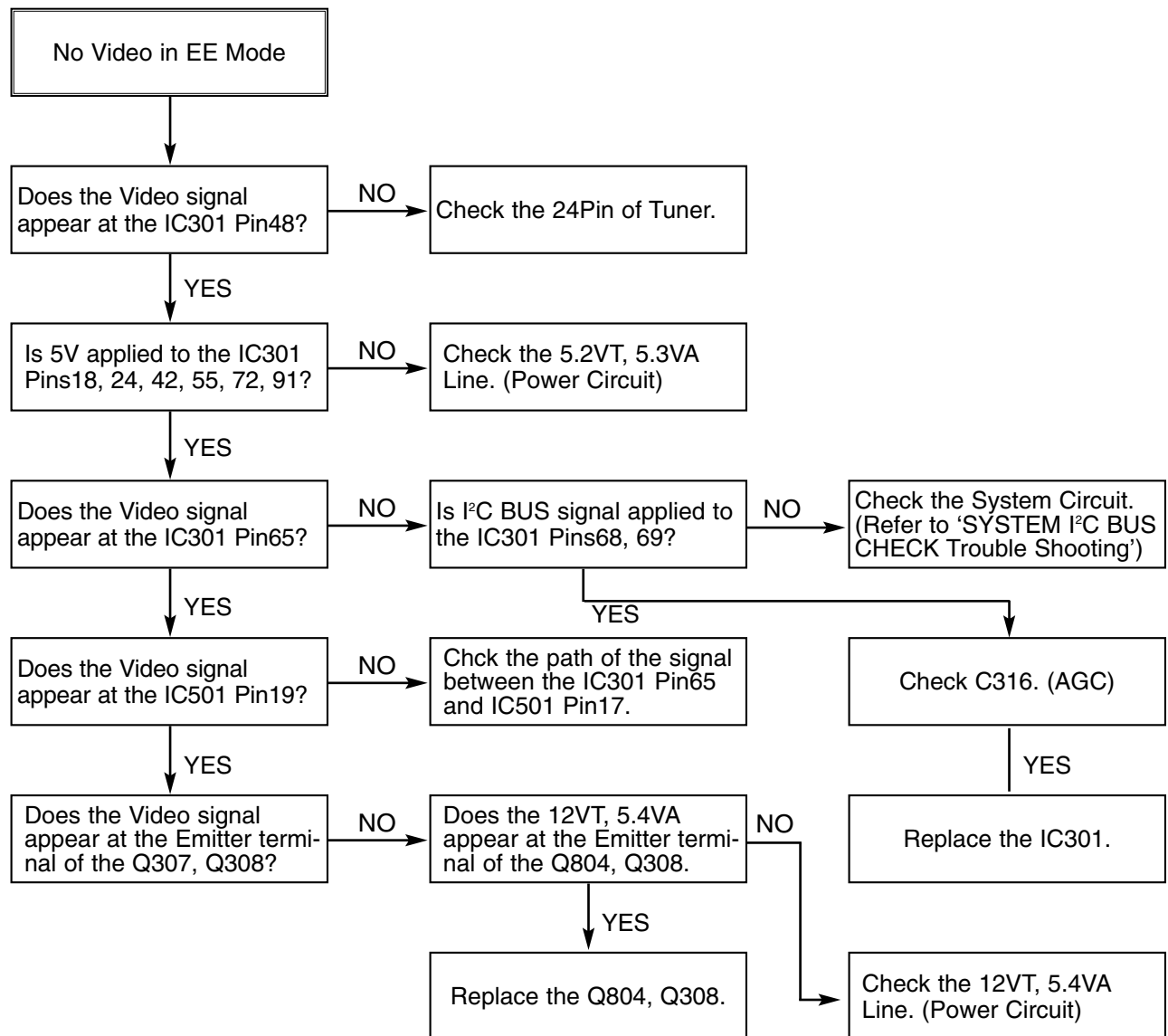


(4) KEY doesn't working

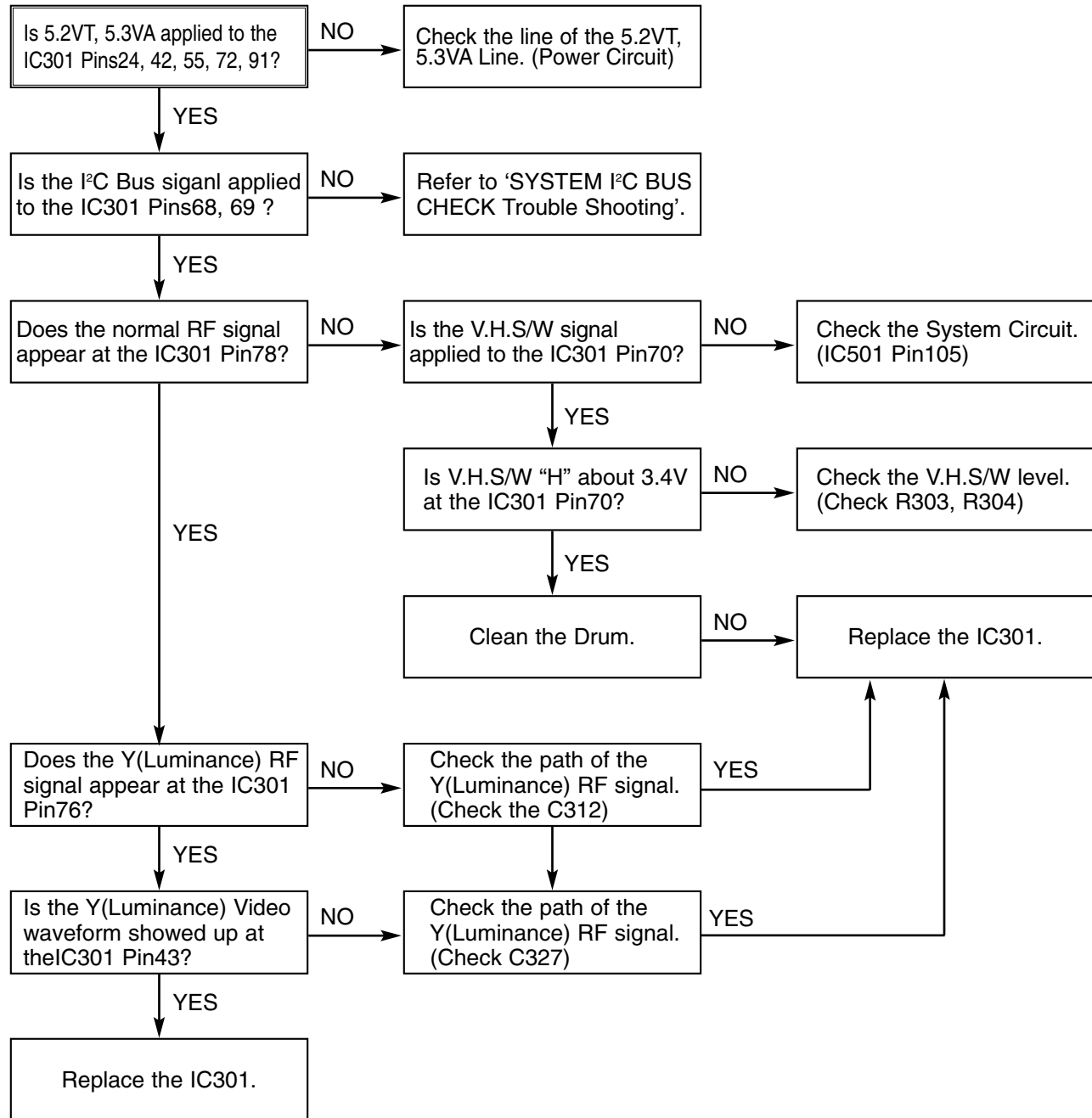


4. Y/C CIRCUIT

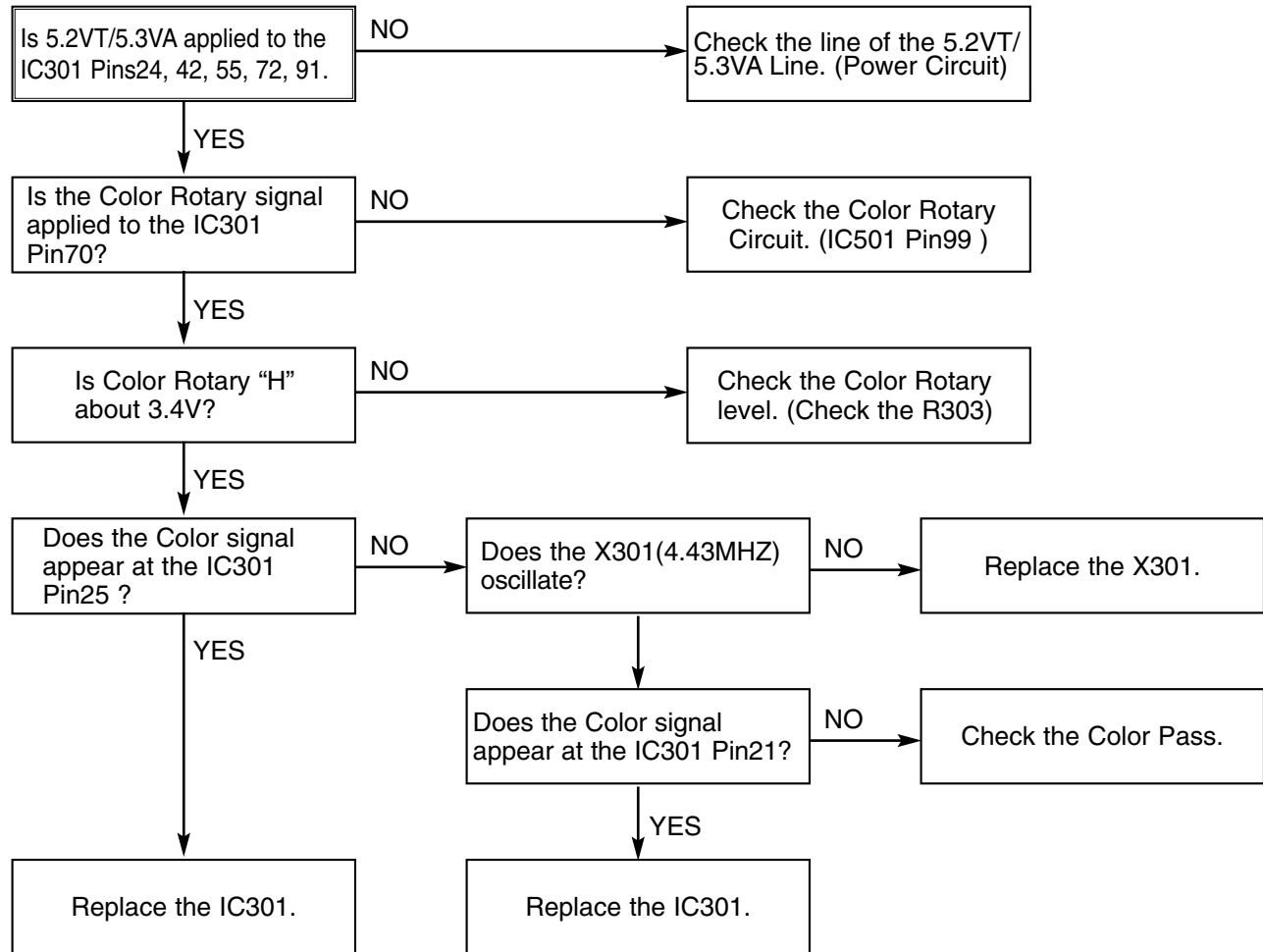
(1) No Video in EE Mode,



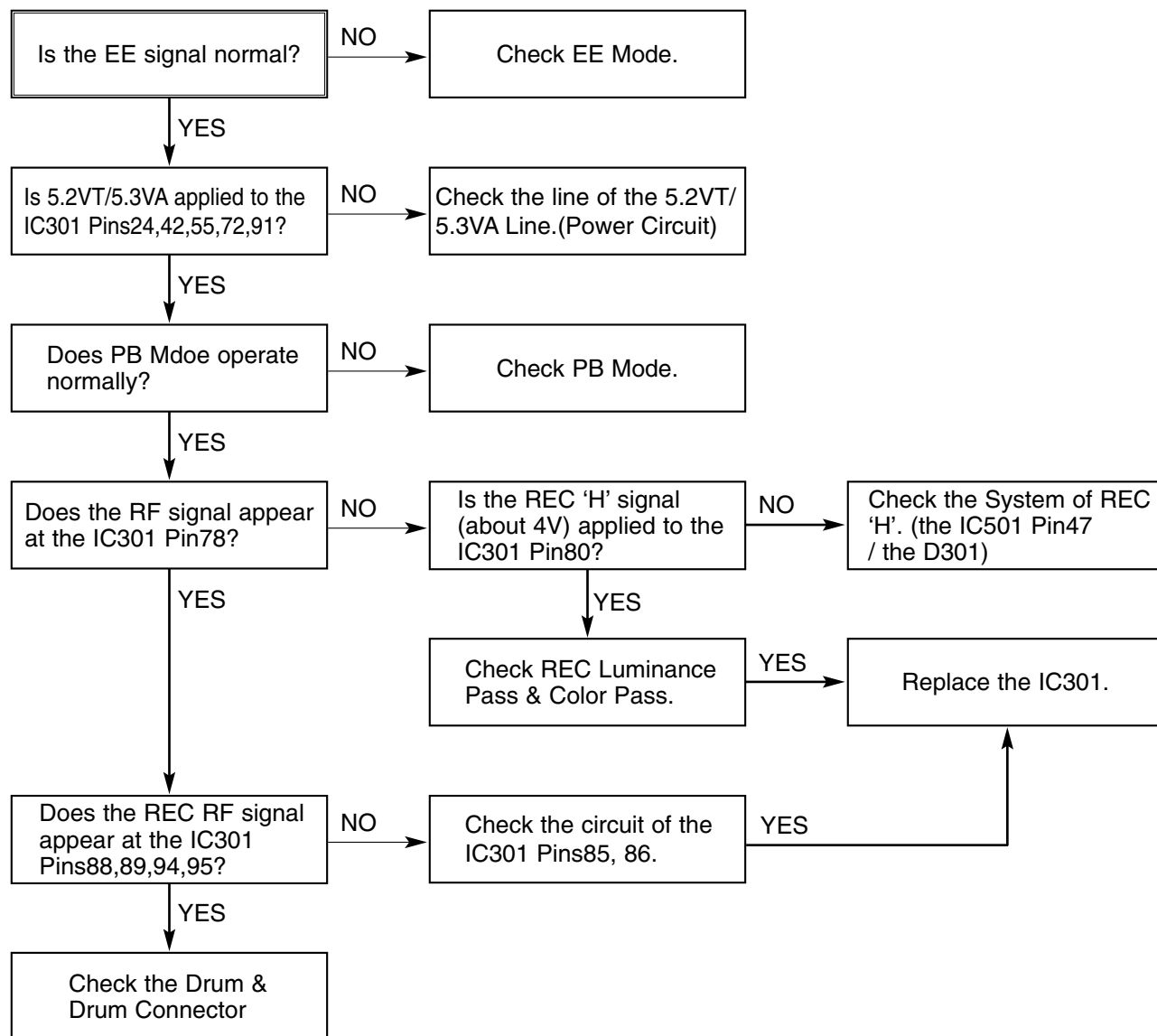
(2) When the Y(Luminance) signal doesn't appear on the screen in PB Mode,



(3) When the C(Color) signal doesn't appear on the screen in PB Mode,

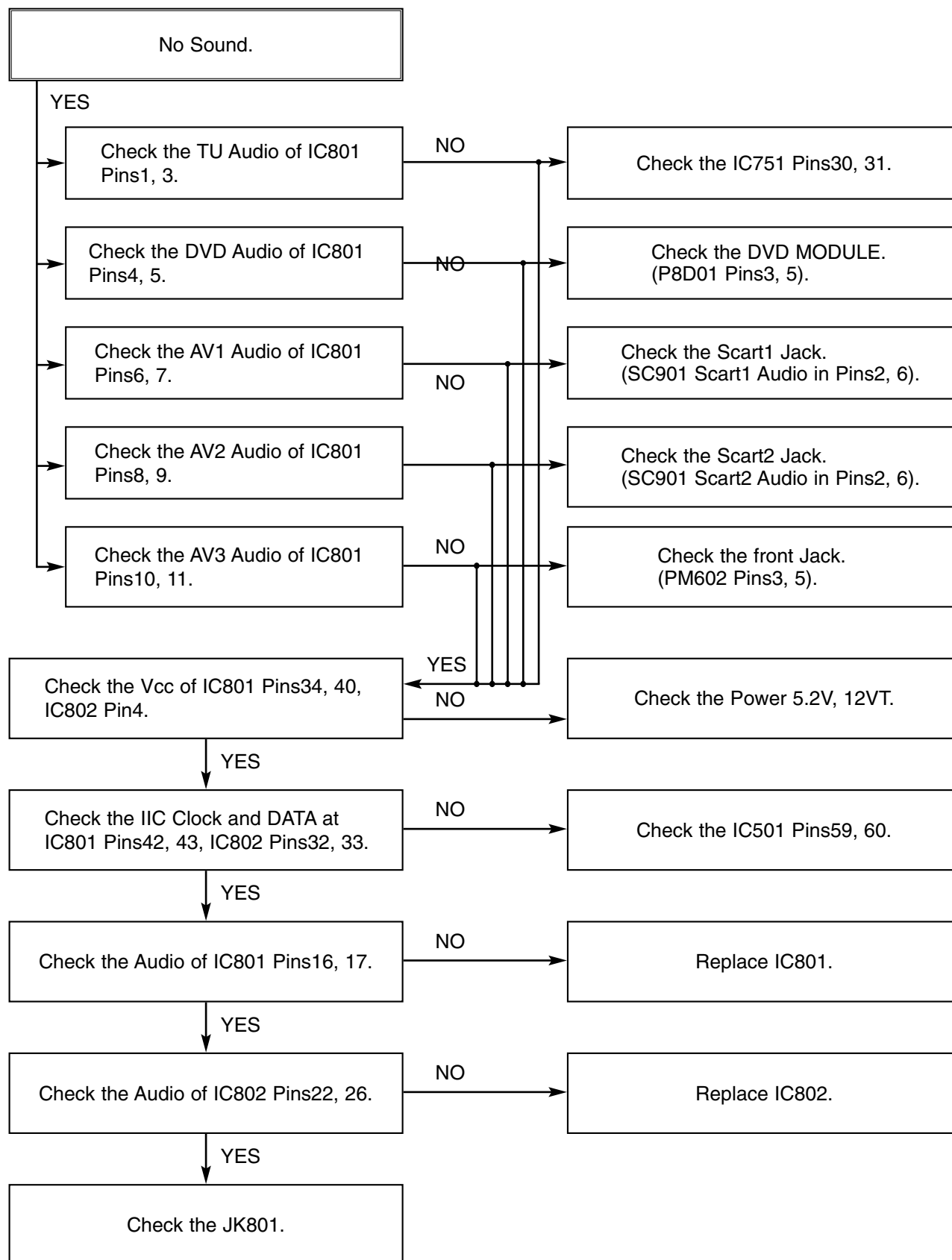


(4) When the Video signal doesn't appear on the screen in REC Mode,

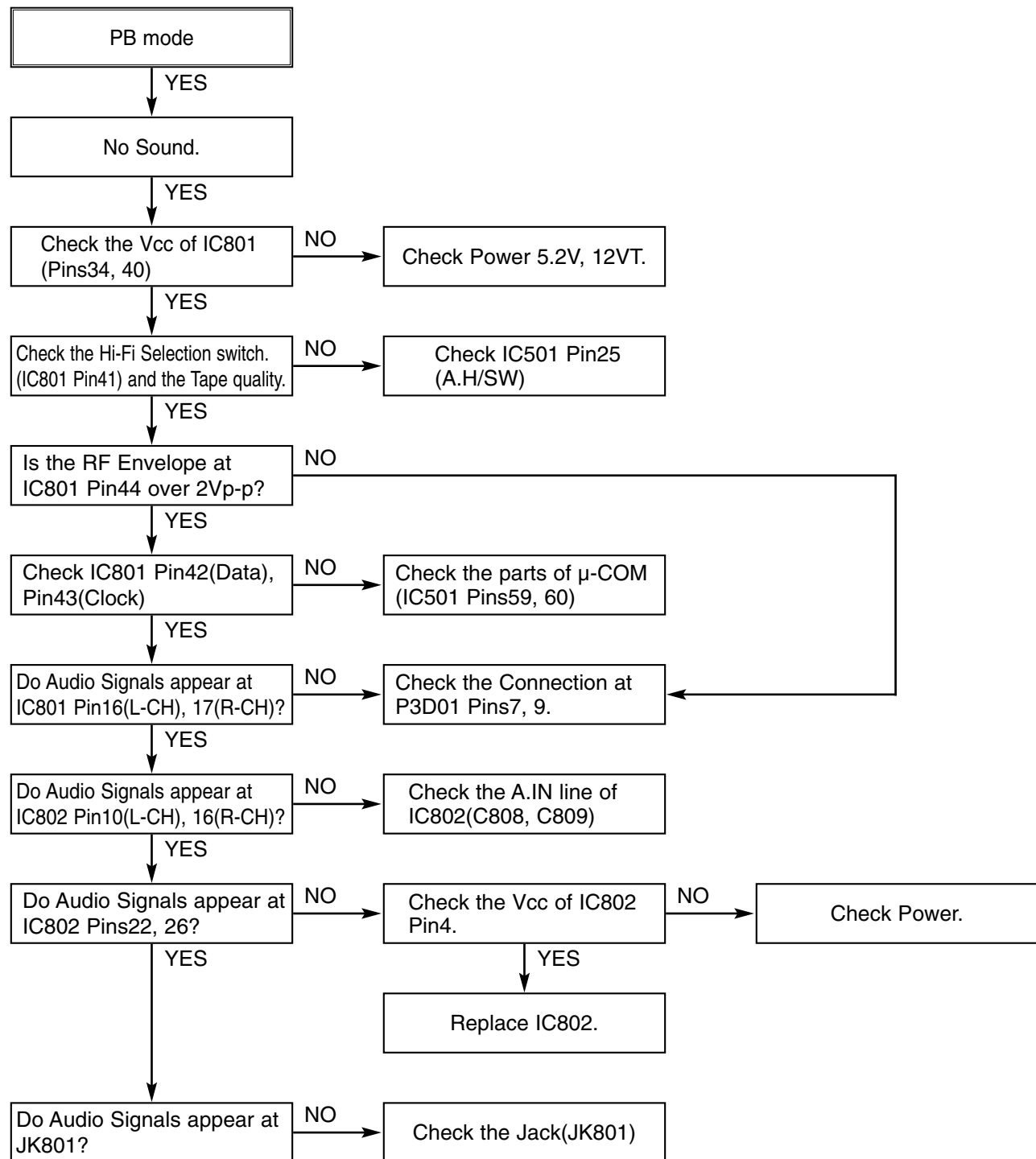


5. Hi-Fi CIRCUIT

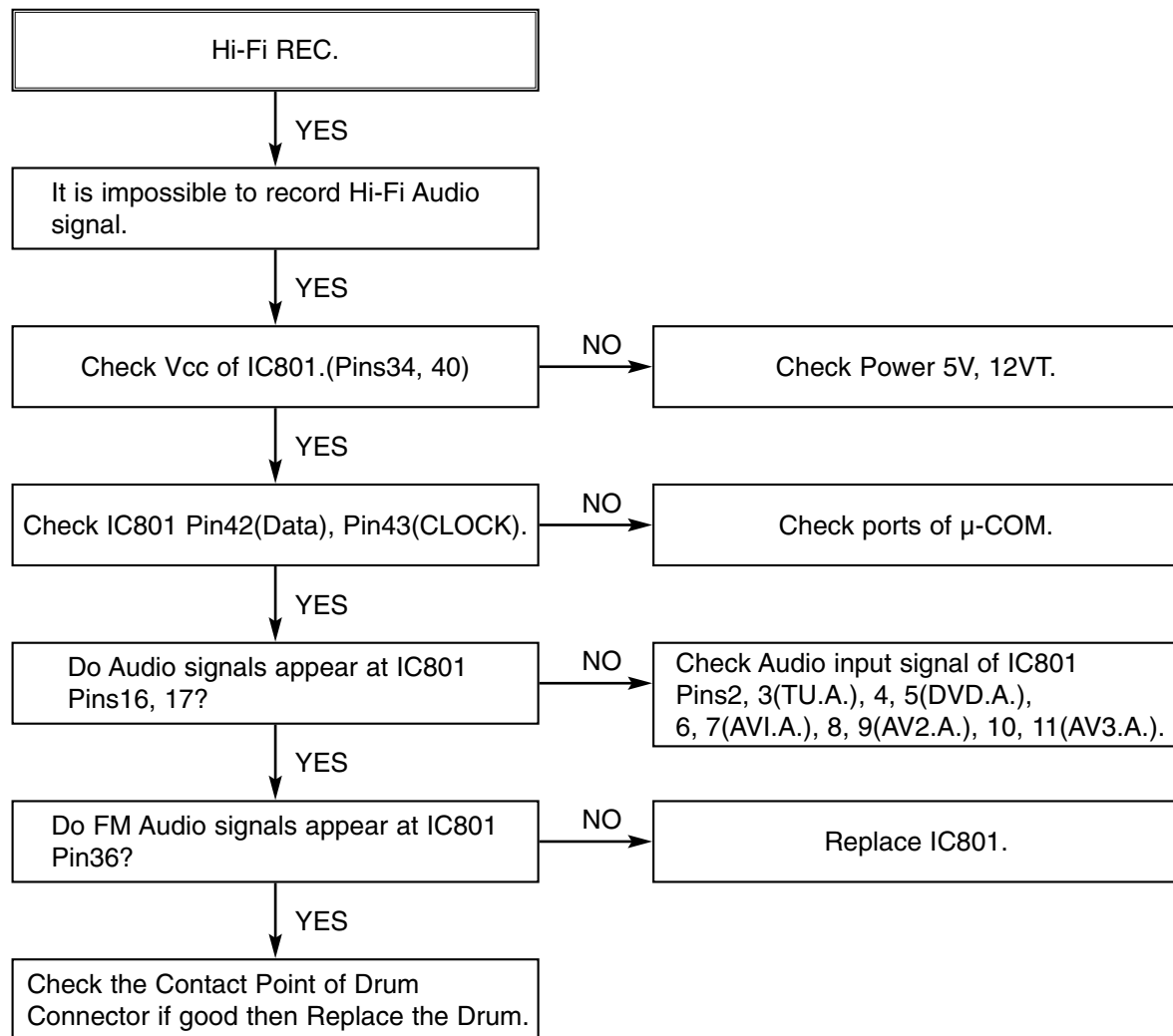
(A) No Sound(EE Mode)



(B) Hi-Fi Playback

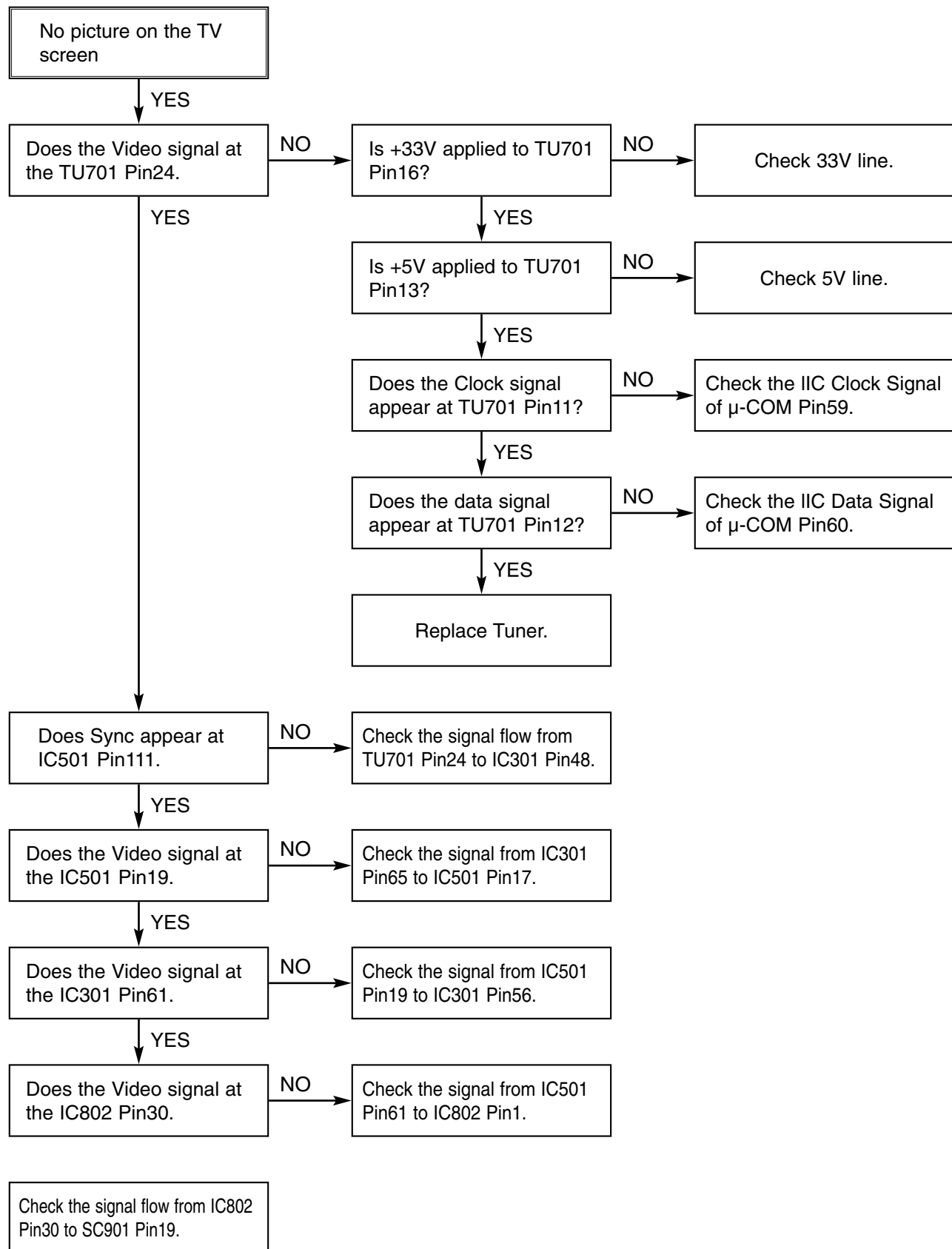


(C)

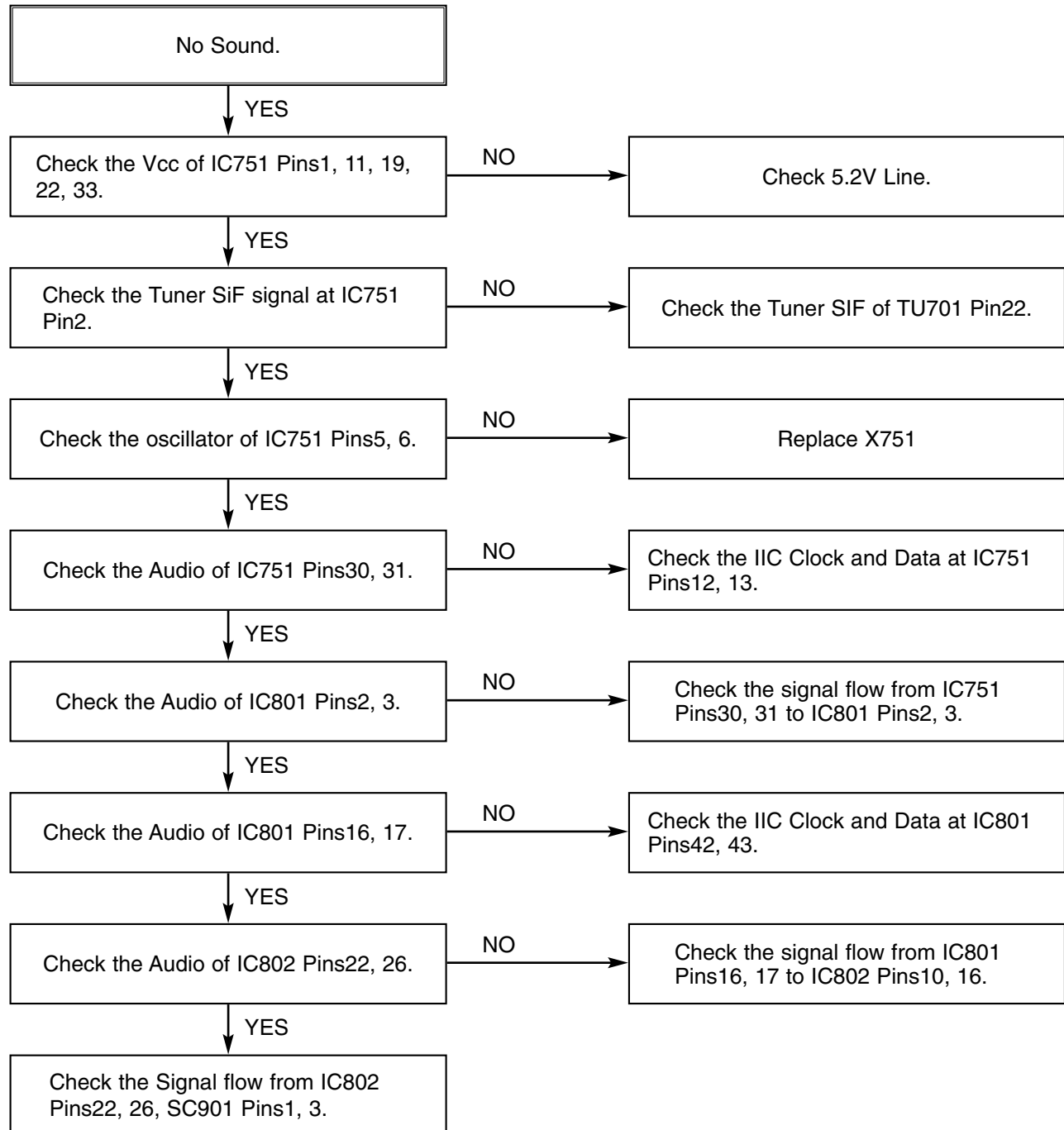


6. Tuner/IF CIRCUIT

(A) No Picture on the TV screen



(B) No Sound

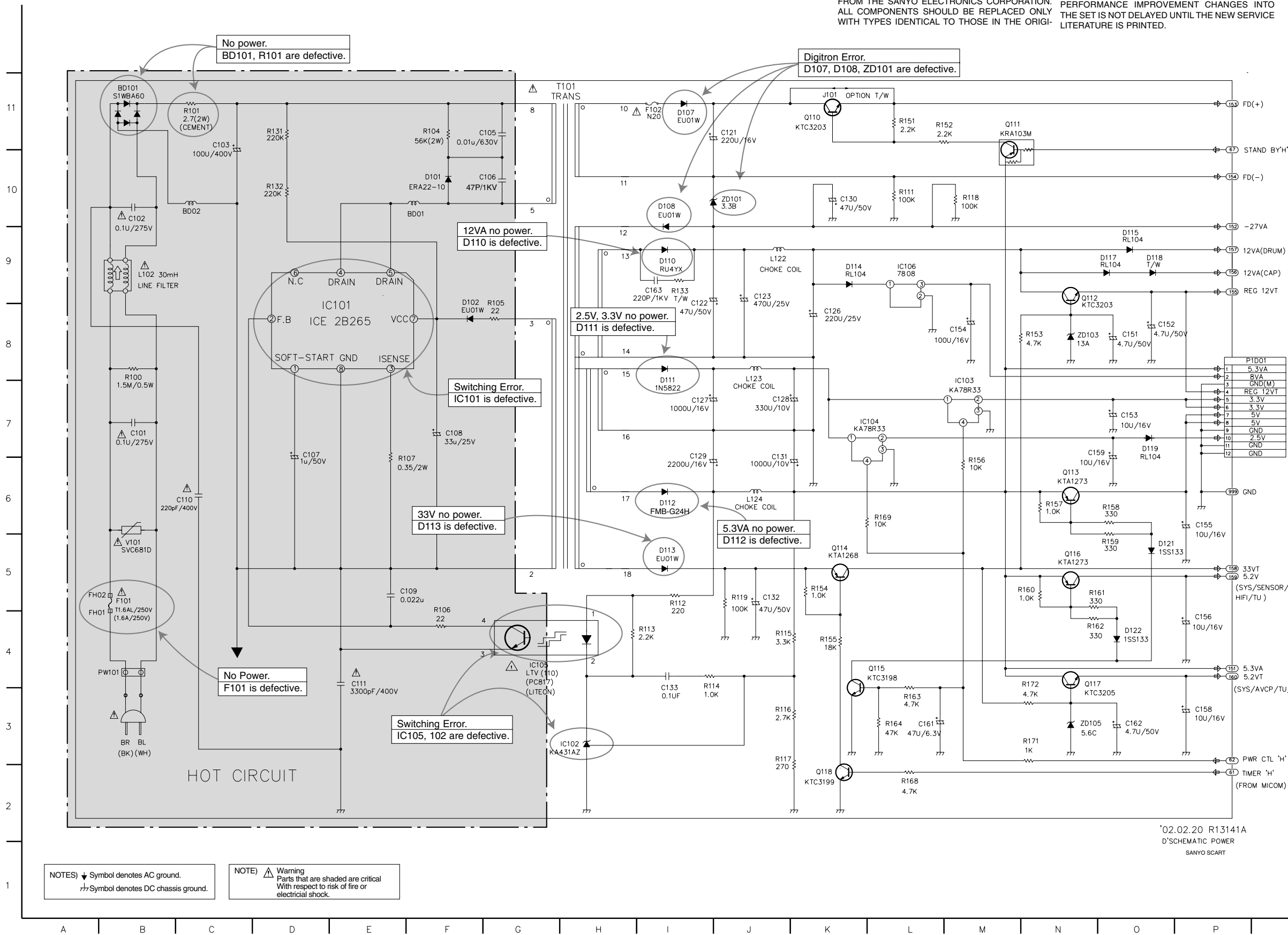


MEMO

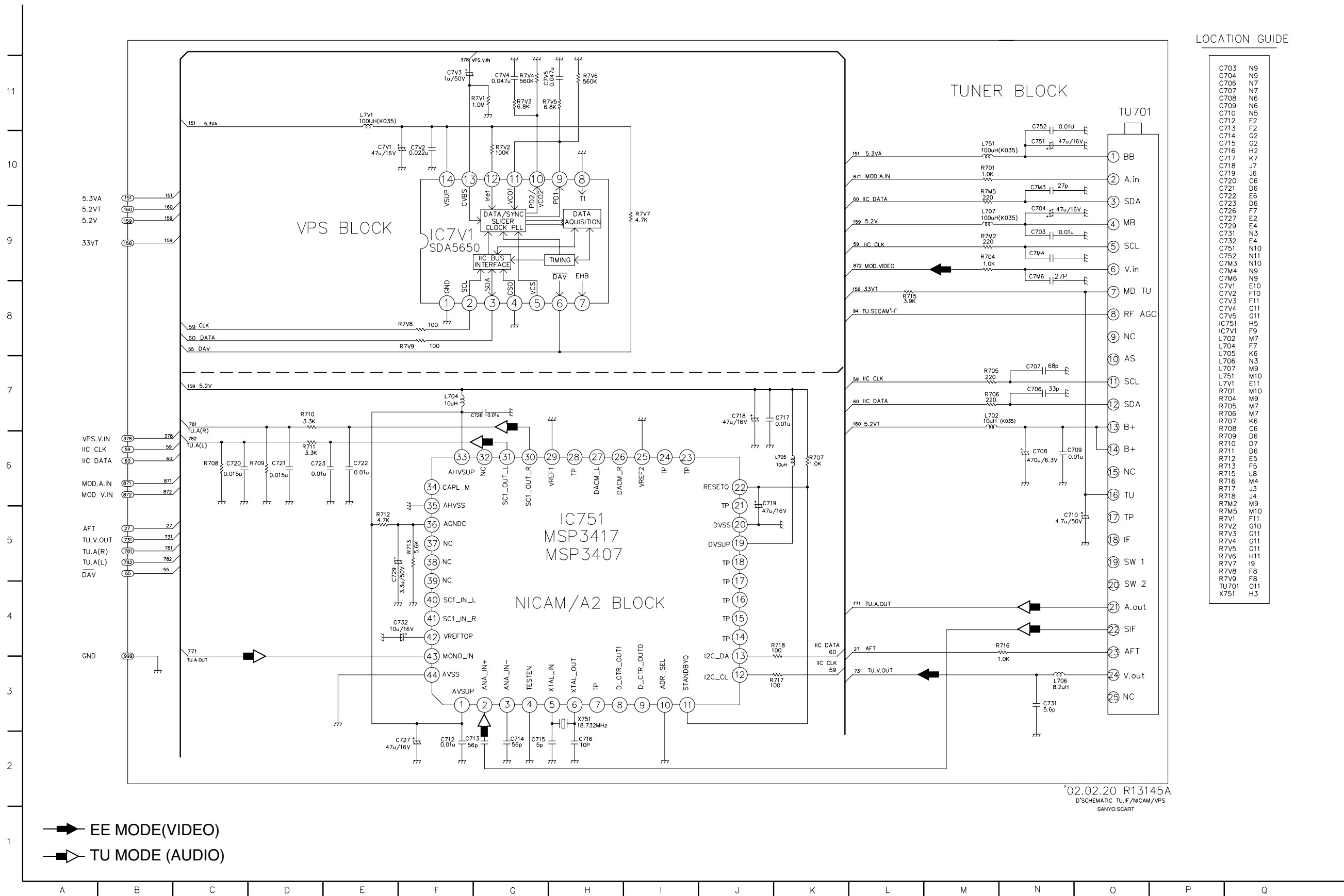
Handwriting practice lines consisting of 25 horizontal dotted lines.

CIRCUIT DIAGRAMS

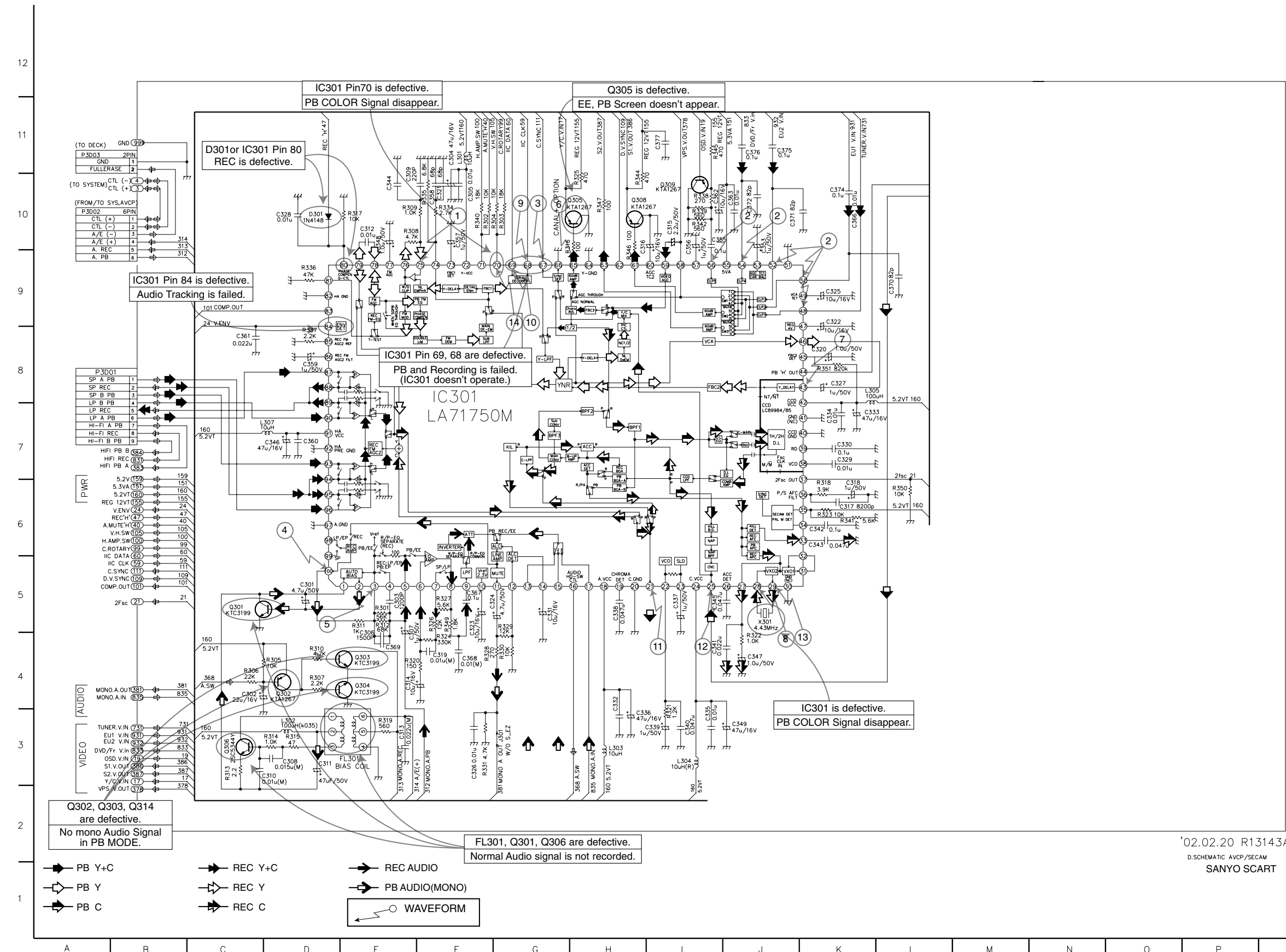
1. POWER(SMPS) CIRCUIT DIAGRAM



2. TU/IF, NICAM & A2 CIRCUIT DIAGRAM



3. A/V CIRCUIT DIAGRAM

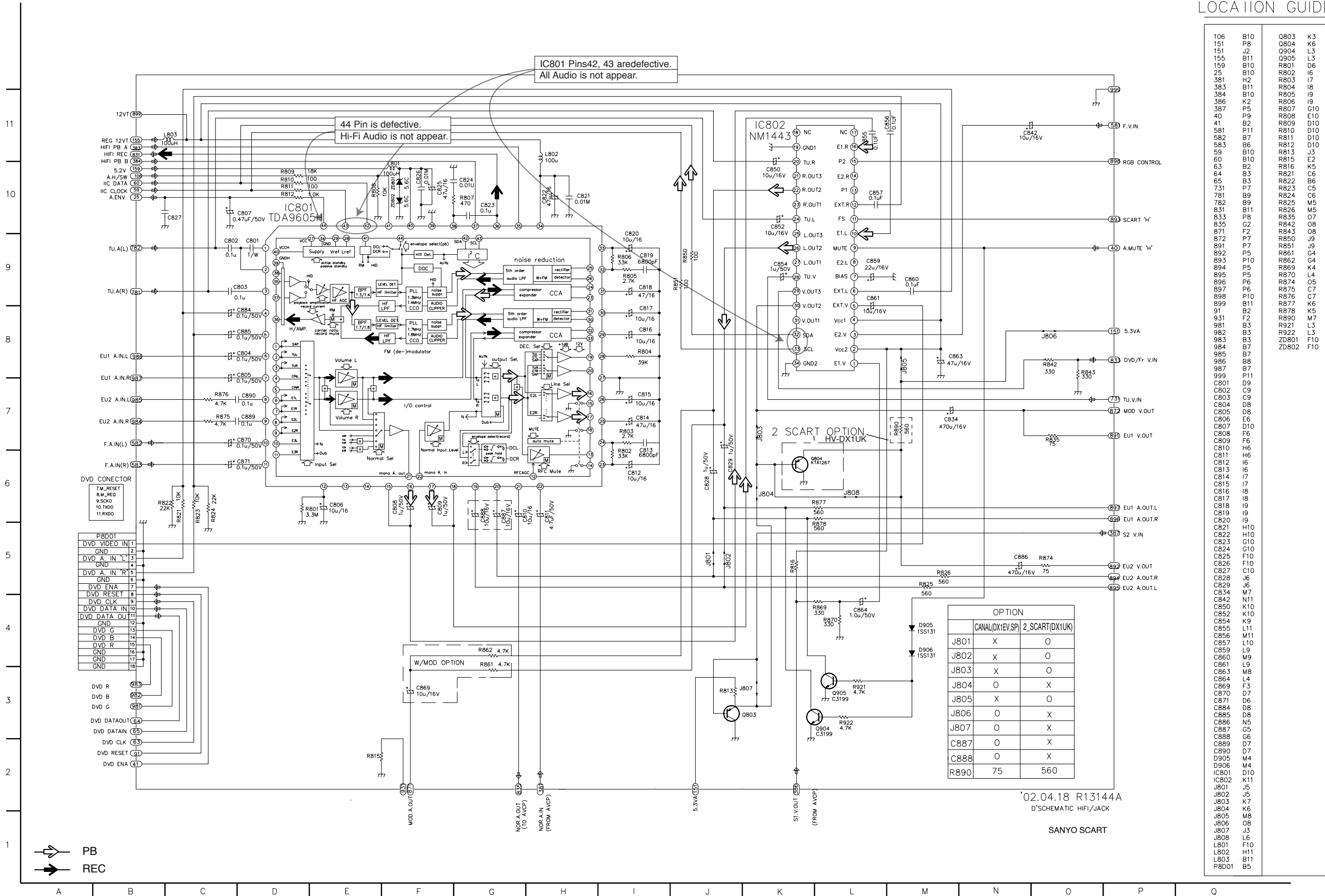


LOCATION GUIDE

C301	D5	JC301	F8
C302	C4	J301	G3
C303	E5	L201	M10
C304	F11	L301	F11
C305	F10	L302	D3
C306	E4	L303	H3
C307	E4	L304	D4
C308	D3	L305	K8
C309	E10	L307	C7
C310	C3	P3001	A8
C311	D3	P3002	A10
C312	E10	P3003	A11
C313	E3	Q301	C5
C314	E4	Q302	D4
C315	I10	Q303	E4
C316	H9	Q304	E4
C317	K6	Q305	G10
C318	K6	Q306	C3
C319	F4	R308	H10
C320	K8	Q309	I0
C321	I10	R201	M8
C322	K9	R202	M9
C323	F4	R204	N9
C324	G5	R301	E5
C325	K9	R302	F10
C326	F3	R303	G10
C327	K8	R304	G10
C328	H10	R305	H10
C329	K7	R306	C4
C330	K7	R307	D4
C331	G5	R308	E10
C332	H3	R309	E10
C333	K7	R310	D4
C334	K7	R311	E5
C335	I3	R312	E5
C336	I3	R313	C3
C337	I5	R314	D3
C338	H5	R315	D3
C339	H3	R316	H9
C340	I3	R317	E10
C341	I4	R318	K6
C342	K6	R319	H10
C343	K6	R320	F5
C344	E10	R321	I3
C345	I5	R322	J4
C346	D7	R323	K6
C347	J4	R324	F4
C348	E9	R325	H10
C349	J3	R326	F5
C350	I9	R327	F5
C351	I10	R328	F4
C356	I9	R329	G5
C357	F10	R330	G4
C358	F10	R331	F3
C359	D8	R334	F10
C360	D7	R335	F10
C361	C8	R336	D9
C362	I10	R337	D8
C363	I10	R338	I10
C366	K10	R339	I10
C367	F5	R340	F10
C368	F4	R341	K6
C369	L4	R342	F10
C370	L9	R344	H10
C371	J10	R345	I11
C372	J10	R346	H9
C374	K10	R347	H10
C375	J11	R348	F5
C376	J11	R350	L6
C377	I11	R351	K8
D301	D10	X301	J5
FL301	E3		
IC201	M8		

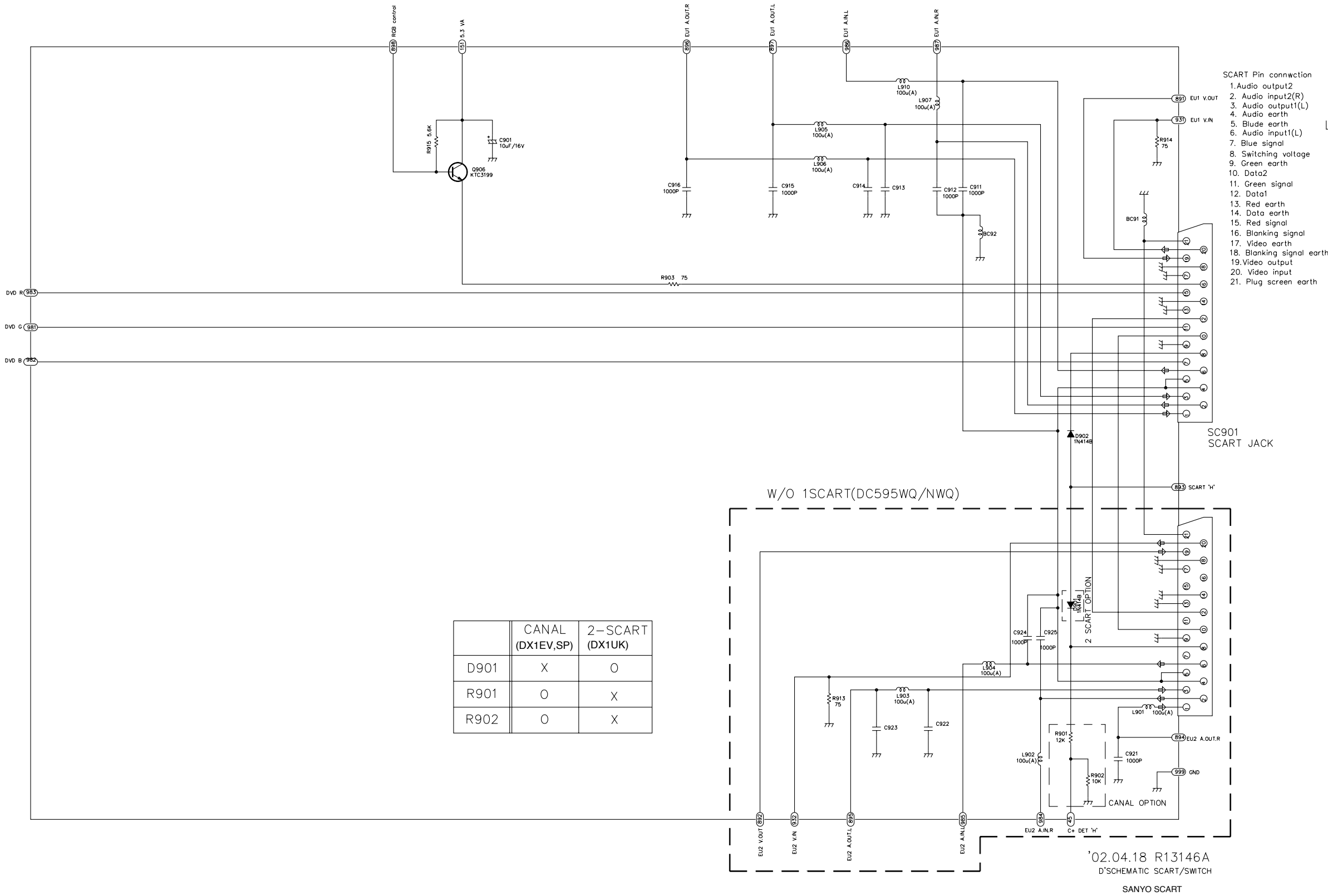
4. Hi-Fi CIRCUIT DIAGRAM

LOCATION GUIDE



106	B10	Q803	K3
151	P8	Q804	K6
151	J2	Q904	L3
155	B11	Q905	L3
159	B10	R801	D6
25	B10	R802	I6
381	H2	R803	I7
383	B11	R804	I8
384	B10	R805	I9
386	K2	R806	I9
387	P5	R807	G10
40	P9	R808	E10
41	B2	R809	D10
581	P11	R810	D10
582	B7	R811	D10
583	B6	R812	D10
59	B10	R813	J3
60	B10	R815	E2
63	B2	R816	K5
64	B3	R821	C6
65	B3	R822	B6
731	P7	R823	C5
781	B9	R824	C6
782	B9	R825	M5
831	B11	R826	M5
833	P8	R835	O7
835	G2	R842	O8
871	F2	R843	O8
872	P7	R850	J9
891	P7	R851	J9
892	P5	R861	G4
893	P10	R862	G4
894	P5	R869	K4
895	P5	R870	L4
896	P6	R874	O5
897	P6	R875	C7
898	P10	R876	C7
899	B11	R877	K5
91	B2	R878	K5
931	F2	R890	M7
981	B3	R921	L3
982	B3	R922	L3
983	B3	ZD801	F10
984	B7	ZD802	F10
985	B7		
986	B8		
987	B7		
999	P11		
C801	D9		
C802	C9		
C803	C9		
C804	D8		
C805	D8		
C806	E6		
C807	D10		
C808	F6		
C809	F6		
C810	H6		
C811	H6		
C812	I6		
C813	I6		
C814	I7		
C815	I7		
C816	I8		
C817	I8		
C818	I9		
C819	I9		
C820	I9		
C821	H10		
C822	H10		
C823	G10		
C824	G10		
C825	F10		
C826	F10		
C827	C10		
C828	J6		
C829	J6		
C834	M7		
C842	N11		
C850	K10		
C852	K10		
C854	K9		
C855	L11		
C856	M11		
C857	L10		
C859	L9		
C860	M9		
C861	L9		
C863	M8		
C864	L4		
C869	F3		
C870	D7		
C871	D6		
C884	D8		
C885	D8		
C886	N5		
C887	G5		
C888	G6		
C889	D7		
C890	D7		
D905	M4		
D906	M4		
IC801	D10		
IC802	K11		
J801	J5		
J802	J5		
J803	K7		
J804	K6		
J805	M8		
J806	O8		
J807	J3		
J808	L6		
L801	F10		
L802	H11		
L803	B11		
P801	B5		

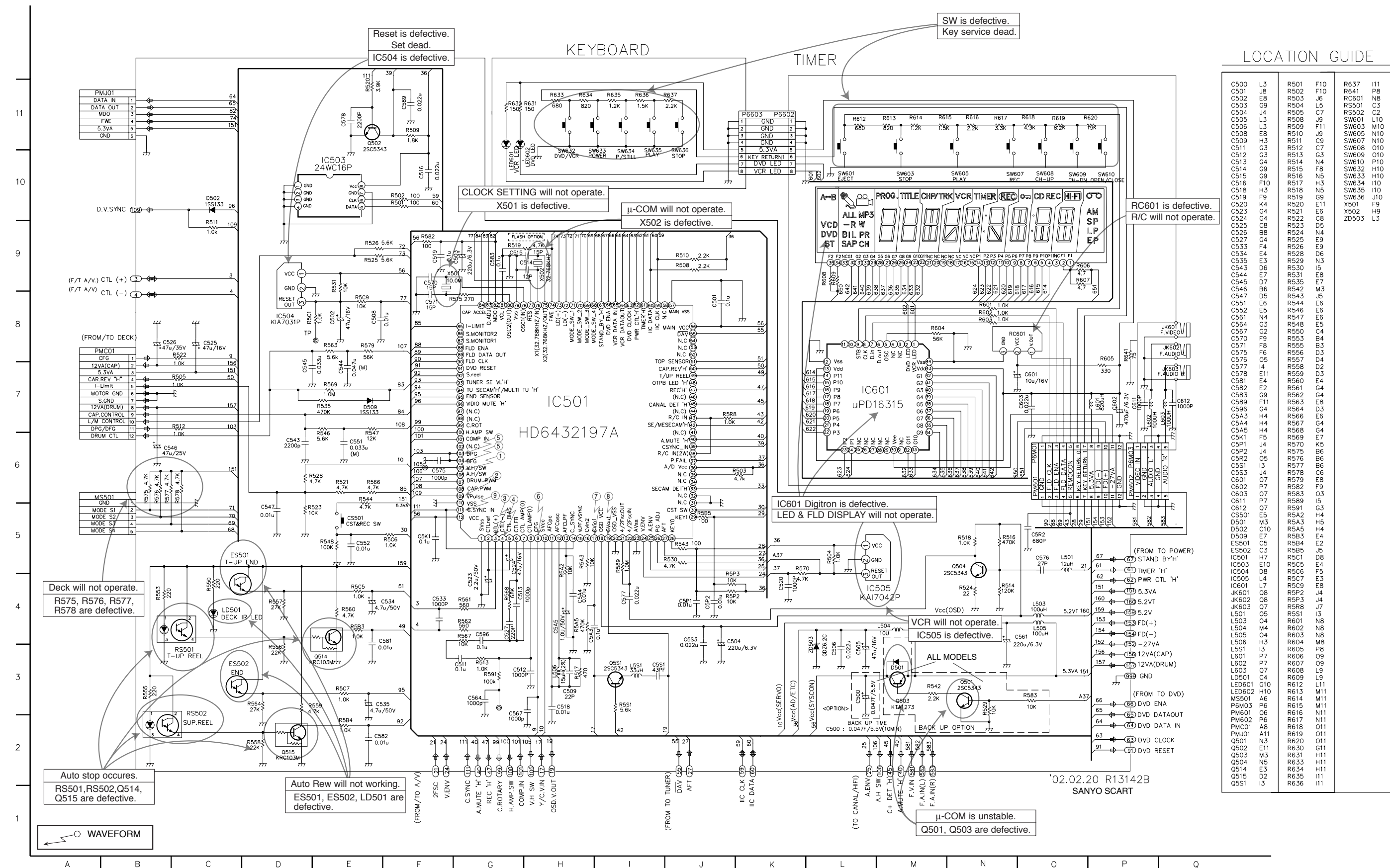
5. SCART(JACK) CIRCUIT DIAGRAM



LOCATION GUIDE

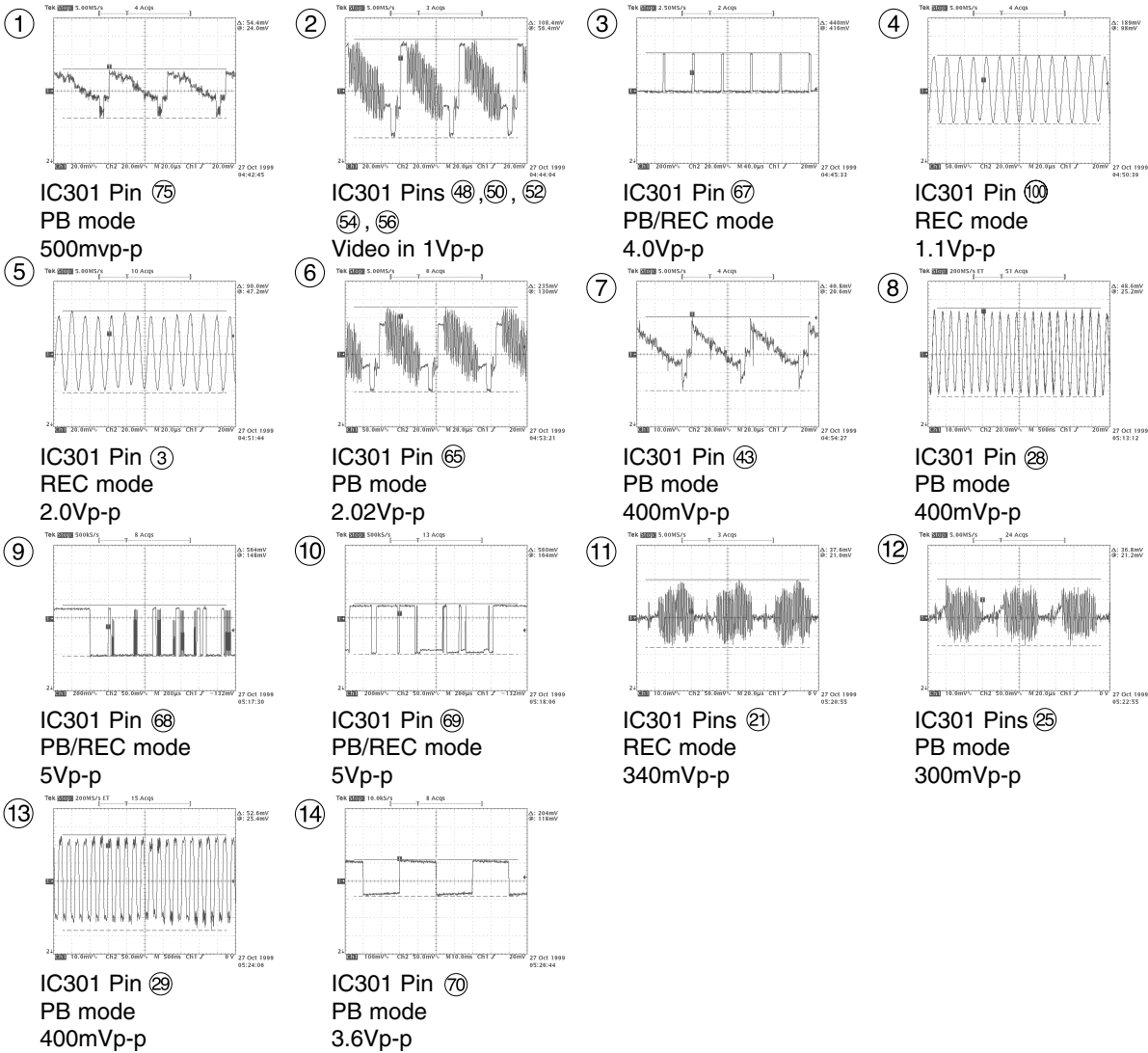
151	G11
45	N2
891	O10
892	J2
893	O6
894	O3
895	K2
896	J11
897	K11
898	F11
931	O10
932	K2
981	B8
982	B7
983	B8
984	N2
985	M2
986	K11
987	L11
999	O2
BC91	O9
BC92	M9
C901	G10
C911	M9
C912	L9
C913	L9
C914	K9
C915	K9
C916	I9
C921	O3
C922	L3
C923	L3
C924	M4
C925	N4
D901	N4
D902	N6
L901	O3
L902	M3
L903	L3
L904	M4
L905	K10
L906	K9
L907	L10
L910	L10
Q906	G9
R901	N3
R902	N2
R903	I8
R913	K3
R914	O10
R915	G10
SC901	P6

6. SYSTEM CIRCUIT DIAGRAM

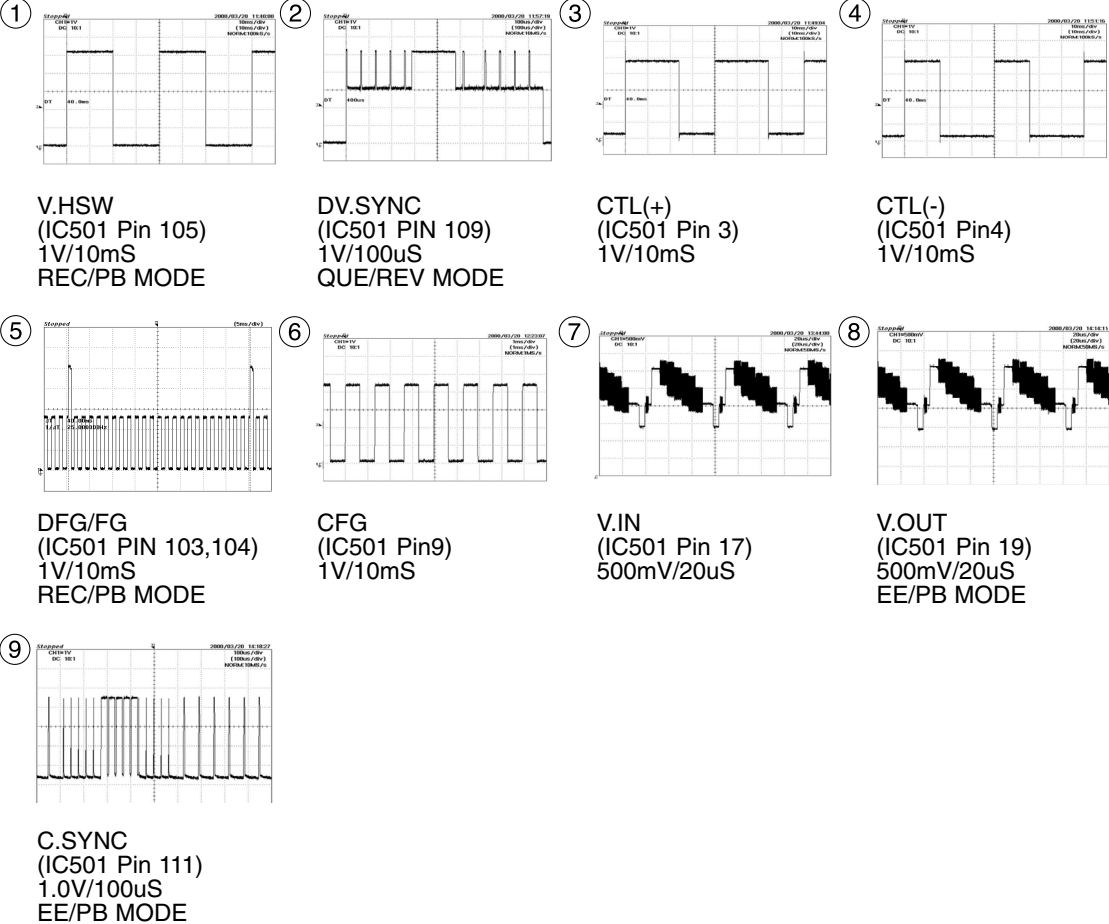


WAVEFORM & VOLTAGE SHEET

★ IC301 Oscilloscope Waveform



* IC501 Waveform Photographs



• CIRCUIT VOLTAGE CHART

MODE PIN NO.	EE	PB	REC
I C 3 0 1			
1	4.9	4.9	1
2	0	0	0.8
3	2.2	2.2	2.3
4	pulse	pulse	0.6
5	2.1	2.1	2.3
6	2.2	2.1	2.2
7	2.1	2.1	2.2
8	2.1	2.1	2.2
9	2.1	2.1	2.9
10	2.2	2.1	2.2
11	2.2	2.2	2.2
12	0	0	0
13	2.1	2.1	2.2
14	0	0	1
15	2.1	2.1	2.2
16	4.9	0.1	4.8
17	2.1	2.1	2.2
18	4.9	4.9	4.9
19	4.0	3.8	2.8
20	0	0	0
21	3.1	1.8	2
22	2.7	2.6	3.4
23	2.7	2.6	3.4
24	4.9	4.9	4.9
25	0.1	3.3	0.12
26	1.5	2.2	1.2
27	2	2.0	2
28	4	4	4
29	2.6	2.6	2.6
30	0	0	0
31	4.5	4.4	4.5
32	4.4	4.4	4.5
33	2.9	2	1.9
34	0	0	1.8
35	1.8	1.8	1.8
36	2.9	3.5	3.6
37	1.8	1.8	1.8
38	2	2	2
39	9	9	9
40	0	0	0
41	0	0	0
42	4.9	4.9	4.9
43	2.4	2.2	2.3
44	0	3.9	2.8
45	2.4	2.4	2.5
46	2.6	2.5	2.6
47	4	4	4
48	4.2	4.2	4.2
49	2.9	3.6	3
50	1.9	1.9	1.95
51	0	0	0
52	1.9	1.9	1.95
53	2.3	2.2	2.3
54	1.9	1.9	2.2

MODE PIN NO.	EE	PB	REC
55	5.2	5.2	5.2
56	2.2	2.0	2
57	1.9	2.3	1.6
58	3.6	1.3	2.2
59	2.8	2.8	2.8
60	1.5	1.5	1.4
61	1.8	1.3	1.3
62	0	0	0
63	1.8	1.3	1.6
64	0	0	0
65	1.7	1.1	1.1
66	0	0	0
67	0.2	3.7	0.4
68	4.8	4.9	4.8
69	4.7	4.8	4.8
70	0	pulse	2.6
71	3.3	0	0
72	4.9	4.8	4.8
73	2	3.3	2.2
74	2.4	1.6	2.3
75	2.3	0.6	2.3
76	2.3	0.7	2.3
77	1.5	1.5	1.5
78	2.5	3.3	2.5
79	1.8	1.7	2.5
80	0.9	0.9	4.6
81	1.0	1	1
82	0	0	0
83	pulse	0	0
84	0.5	2.6	0
85	0	0	1.3
86	0.27	0.3	2
87	0.7	0.7	0.7
88	0.7	0.7	0.7
89	0.7	0.7	0.7
90	0.7	0.7	0.7
91	4.9	4.9	4.8
92	0	0	0
93	1.7	1.7	4
94	1.7	1.7	4
95	1.7	1.7	4
96	1.7	1.7	4
97	0	0	0
98	2.2	2.2	2.2
99	2.2	2.2	2.2
100	2.2	2.2	2.2
IC 501			
1	0	0	0
2	2.6	2.6	2.6
3	2.6	2.6	3.5
4	2.6	2.6	1.3
5	2.6	2.6	2.6
6	2.6	2.6	2.6
7	2.7	2.7	2.7
8	2.58	2.5	2.5

MODE PIN NO.	EE	PB	REC
9	4.52	2.2	2.2
10	5.2	5.2	5.2
11	1.8	1.8	1.7
12	1.8	1.8	0
13	2.0	2.1	2
14	0.26	3.9	0.4
15	0.27	pulse	0.16
16	1.9	1.9	1.8
17	2.47	1.4	2.4
18	4.93	0	4.8
19	2.26	0	1.7
20	0	0	0
21	2.3	0	2.3
22	2.3	2.3	2.2
23	0	0	0
24	0.52	2.6	0
25	0.078	3.1	0.16
26	5.2	0	5.2
27	4.5	4.5	4.5
28	0	5.2	5.2
29	0	0	0
30	0	0	0
31	0	0	0
32	0	0	0
33	0.18	0.18	0.16
34	0.26	0	0.16
35	5.2	5.2	5.2
36	5.2	5.2	5.2
37	4.8	0	0
38	4.8	4.8	4.8
39	0.21	0	2.3
40	5.18	0	0
41	3.1	0	0
42	0	0	0
43	0	4.8	4.8
44	0	0	0
45	0	0	0
46	0	0	0
47	0	0	5.1
48	0	0	0
49	0	pulse	0
50	0	0	0.1
51	0	0	0.1
52	pulse	0	0.26
53	pulse	0	0.26
54	5.2	0	5.1
55	pulse	0	0
56	5.2	5.2	0
57	0	0	0
58	0	0	0
59	4.9	0	0
60	4.7	0	4.7
61	5.1	5.1	5.1
62	5.1	0.2	5.1
63	5	5	5

MODE PIN NO.	EE	PB	REC
64	3.58	3.5	3.6
65	2.8	pulse	0
66	5.1	5.1	0.2
67	0	0	5.1
68	0	5.2	0
69	0	5.2	5.2
70	5.2	5.2	5.2
71	5.2	0	5.2
72	0	0	0
73	0.3	5.1	5.1
74	0	0	0
75	0	0	1.6
76	1.36	1.3	1.3
77	0	0	0
78	0	0	2.5
79	0	0	0
80	0	0.15	0
81	3.3	3.3	3.3
82	5.2	5.2	0
83	0	2.5	2.5
84	0	2.7	2.7
85	0	3.5	3.6
86	pulse	pulse	2.8
87	0	pulse	3.1
88	4.8	4.8	4.8
89	0	0	0
90	0	4.9	0
91	4.95	0	0
92	0	0	pulse
93	0	0	0
94	0	0	0
95	0	0	0
96	0	0	0
97	0	0	0
98	0	5.1	5.2
99	0	2.5	2.6
100	0	0	0
101	0	0	0.29
102	0	0	0
103	0	1.4	1.38
104	0	pulse	1.39
105	0	2.5	2.6
106	0	2.5	2.6
107	0	0	0
108	0	0	2.7
109	pulse	0	0
110	pulse	0	0
111	0.26	0	0
112	5.2	0	0
IC 751			
1	5.1	5.1	5.1
2	1.5	1.5	1.5
3	1.5	1.5	1.5
4	0	0	0
5	2.4	2.4	2.4

MODE PIN NO.	EE	PB	REC
6	2.3	2.3	2.3
7	0.2	pulse	pulse
8	0	0	pulse
9	0	0	pulse
10	0	0	0
11	5.1	5.1	5.1
12	4.8	4.8	4.8
13	4.7	4.7	4.8
14	2.5	2.5	pulse
15	2.5	2.5	pulse
16	0	0	pulse
17	pulse	pulse	pulse
18	0.23	pulse	pulse
19	5.14	5.1	5.1
20	0	0	0
21	pulse	pulse	pulse
22	5.1	5.1	5.1
23	0	0	0
24	0	0	0
25	0	0	0
26	0	0	0
27	0	0	0
28	0	0	0
29	0	0	0
30	2.8	2.8	2.8
31	2.8	2.8	2.8
32	0	0	0
33	5.1	5.1	5.1
34	4.2	4.2	4.2
35	0	0	0
36	2.8	2.8	2.8
37	0	0	0
38	0	0	0
39	0	0	0
40	2.8	2.8	2.8
41	2.8	2.8	2.8
42	2.5	2.5	2.6
43	2.4	2.4	2.4
44	0	0	0
IC 801			
1	3.8	3.8	3.8
2	3.8	3.8	3.8
3	3.8	3.8	3.8
4	3.8	3.8	3.8
5	3.8	3.8	3.8
6	3.8	3.8	3.8
7	3.8	3.8	3.8
8	3.8	3.8	3.8
9	3.8	3.8	3.8
10	3.8	3.8	3.8
11	3.8	3.8	3.8
12	0	0	0
13	3.87	3.87	3.8
14	0	0	0
15	0	0	0

MODE PIN NO.	EE	PB	REC
16	6	6	6
17	6	6	6
18	0	0	0
19	6	6	6
20	6	6	6
21	4.57	4.5	4.5
22	3.82	3.8	3.8
23	3.86	3.8	3.8
24	3.87	3.8	3.8
25	3.87	3.8	3.8
26	0.8	0.8	0.8
27	0	0	0
28	3.84	3.8	3.8
29	3.86	3.8	3.8
30	0.79	0.7	0.8
31	3.87	3.8	3.9
32	3.87	3.8	3.9
33	3.86	3.8	3.9
34	12	12	12
35	0.6	0.6	4.2
36	0.63	0.6	4.2
37	0.63	0.6	4.2
38	0	0	4.2
39	0	0	0
40	5	5	5
41	0	0.9	0.9
42	4.7	4.7	4.8
43	4.8	4.6	4.8
44	0	3.3	0.7
IC 802			
1	3	3.1	2.9
2	12	12	12
3	2.7	2.7	2.7
4	12	12	12
5	2.9	2.9	3
6	5.7	5.7	5.7
7	5.7	5.7	5.7
8	0	5.6	5.7
9	5.1	0	0
10	5.6	5.6	5.7
11	11.4	11.4	11.5
12	5.7	5.7	5.7
13	0	0	1.6
14	5.6	5.6	2.7
15	0.1	0.1	5.7
16	5.6	5.6	0
17	0	0	0
18	0	0	0
19	0	0	5.7
20	5.7	5.7	5.7
21	5.7	5.7	5.7
22	5.7	5.7	5.7
23	5.6	5.6	5.7
24	5.7	5.7	5.7
25	5.7	5.7	5.7

[illegible]

Tran- sistor	EE Mode			PB Mode			REC Mode		
	E	C	B	E	C	B	E	C	B
Q110	-22	-22	-21	-21.8	-21.8	-21	-22	-22	-21
Q111	5.23	5.1	0	5.24	5.1	0	5.23	5	0
Q112	12.1	13.9	12.7	12	13.5	12.7	12.1	13.4	12.7
Q113	5.24	5.18	4.46	5.24	5.18	4.46	5.24	5.17	4.47
Q114	33.6	33.5	32.8	33.4	33.2	32.4	33.5	33.3	32.5
Q115	0	0	0.74	0	0	0.74	0	0	0.74
Q116	5.24	5.2	4.48	5.2	5.2	4.49	5.2	5.2	4.48
Q117	5	5.23	5.7	5	5.24	5.7	5	5.2	5.7
Q118	0	0	0.68	0	0	0.67	0	0	0.68
Q301	0	4.9	0	0	4.9	0	0	1.6	0.8
Q302	4.9	0	4.9	4.9	4.86	4.25	4.9	-14.4	4.9
Q303	0.2	0	0	0	0	0.7	-7.8	0	-14.3
Q304	0.13	0	-0.13	0	0	0.7	-7.8	0	-14.3
Q305	2.5	0	1.8	2.7	0	2	3	0	2.3
Q306	4.9	4.9	4.9	4.9	4.9	4.9	1.9	4.6	2.2
Q308	2.6	0	1.9	2.8	0	2.1	3	0	2.4
Q309	2.9	0	2.3	3.2	0	2.5	3.5	0	2.8
Q501	0	0	0.68	0	0	0.68	0	0	0.67
Q502	0	3.7	0.23	0	2.4	0.23	0	2.4	0.2
Q503	5.2	5.2	4.5	5.23	5.2	4.5	5.2	5.2	4.5
Q504	0	3.8	0.62	0	3.8	0.6	0	3.7	0.6
Q514	0	5.2	0	0	Pulse	Pulse	0	Pulse	Pulse
Q515	0	0	4.95	0	Pulse	Pulse	0	Pulse	Pulse
Q5S1	0.36	2.52	0	0	2.5	0	0.5	3	0
Q751	0	3.8	0	0	3.8	0	0	3.7	0
Q804	2.6	0	1.9	2.8	0	2	3.1	0	2.4

1. MAIN P.C.BOARD

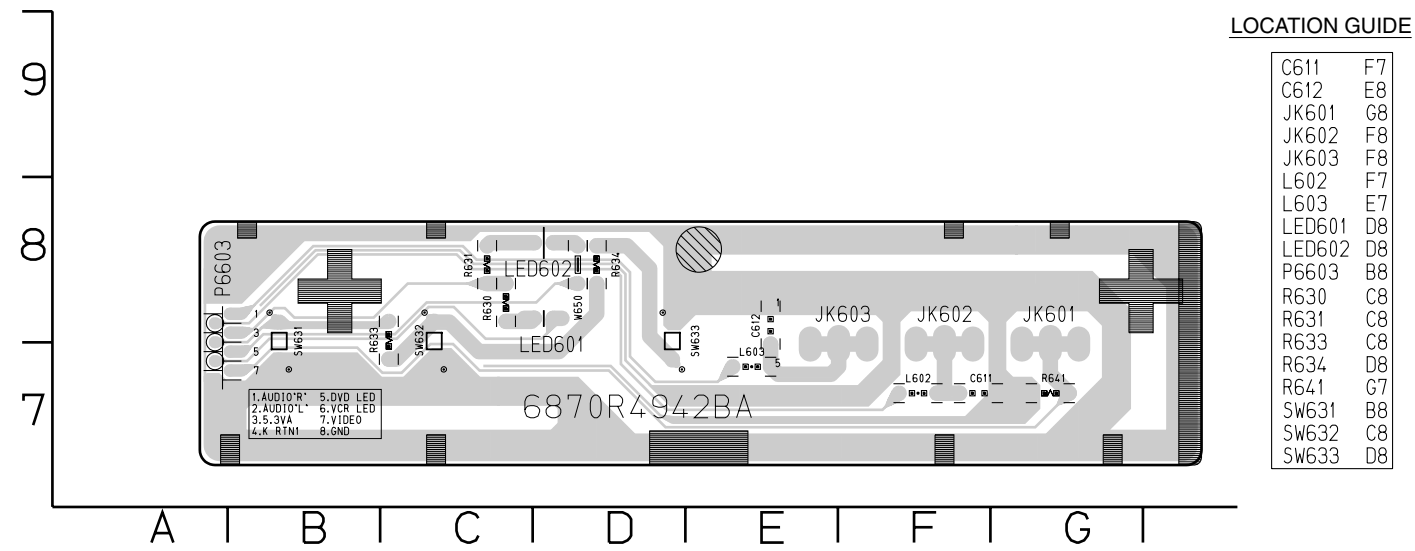


LOCATION GUIDE

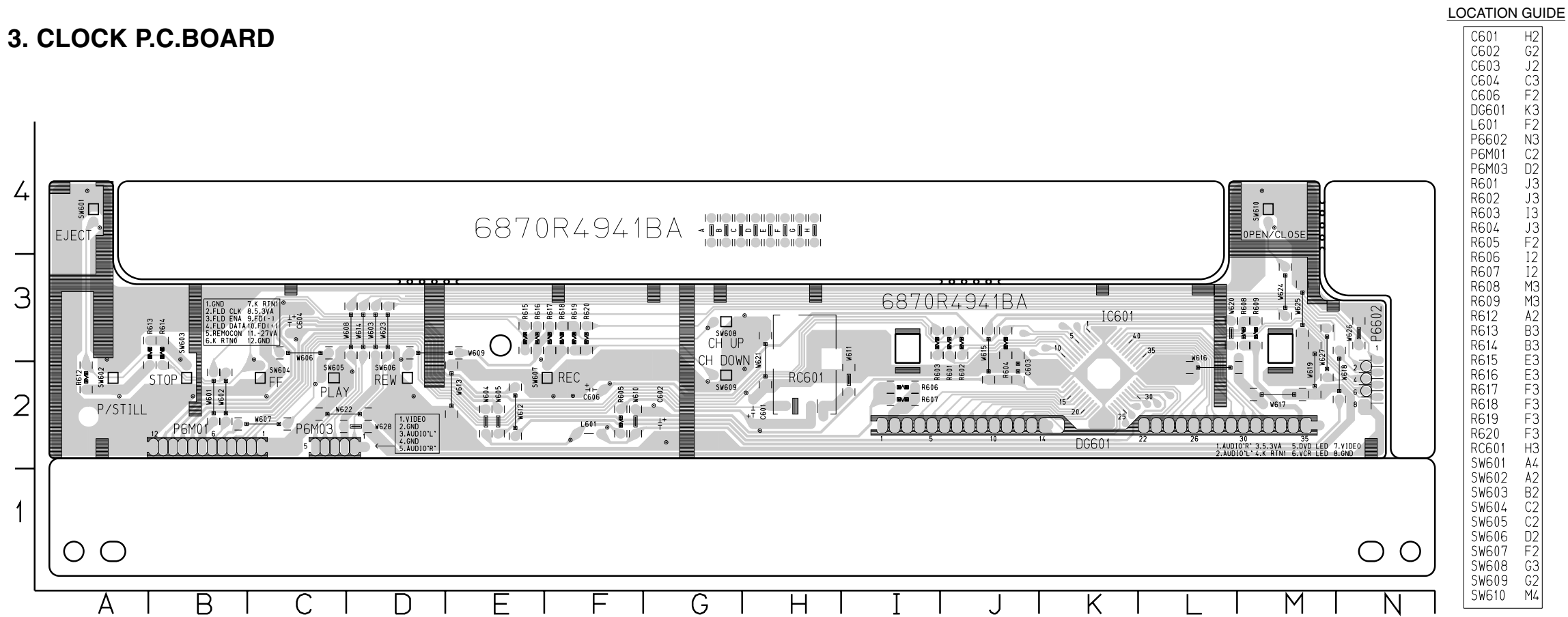
K7	C808	G12	J101	A11
E9	C809	G12	J301	E9

3-49

2. KEY P.C.BOARD



3. CLOCK P.C.BOARD

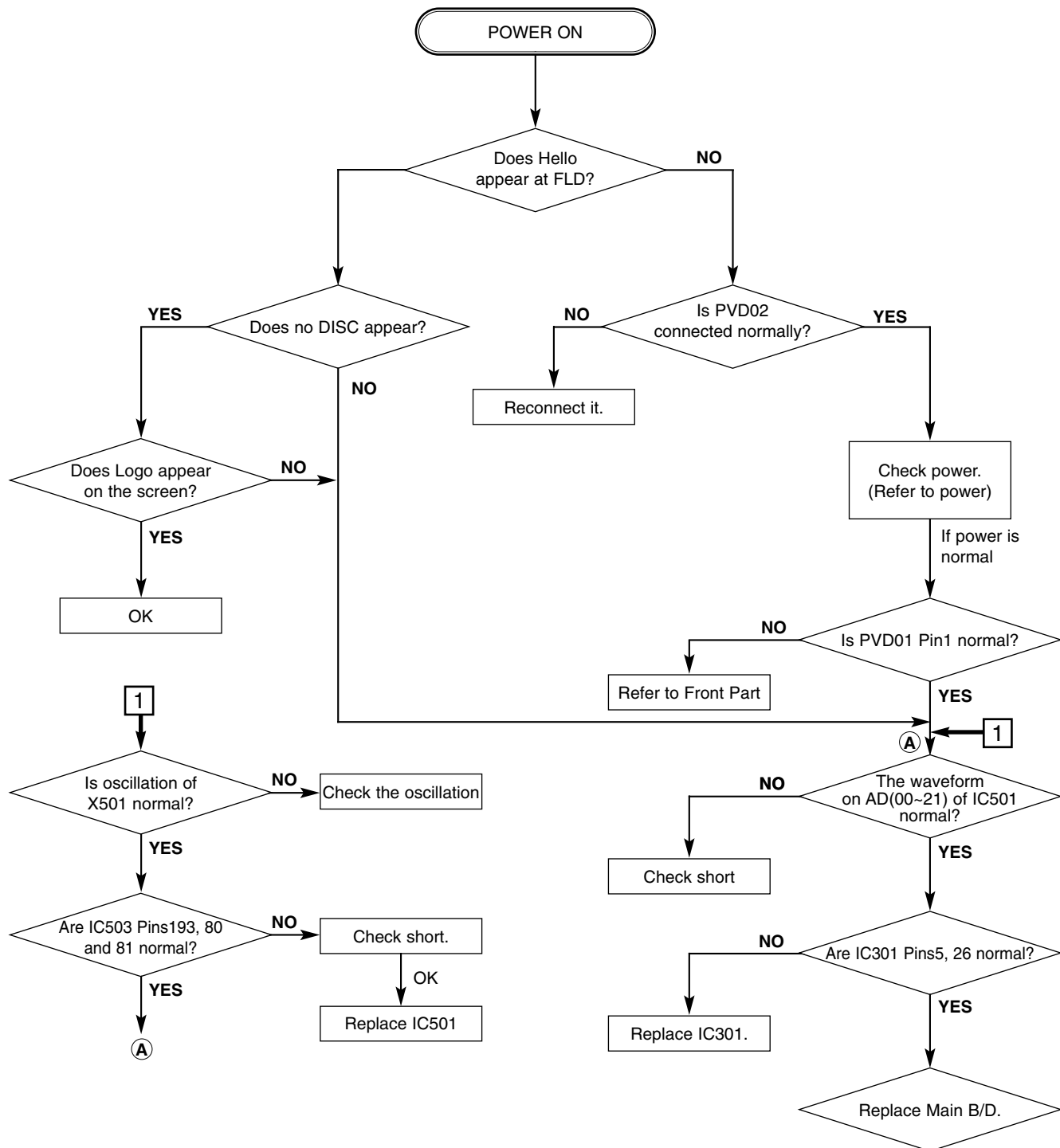


DVD PART

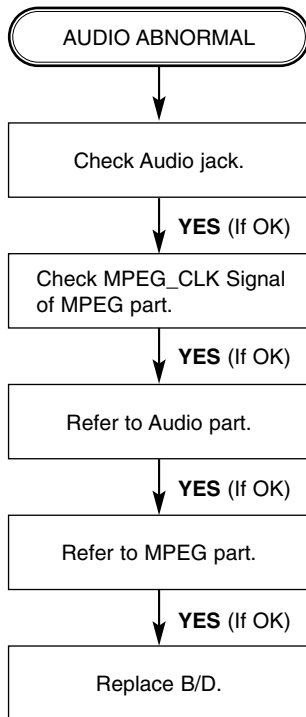
ELECTRICAL TROUBLESHOOTING GUIDE

1. μ -COM Circuit

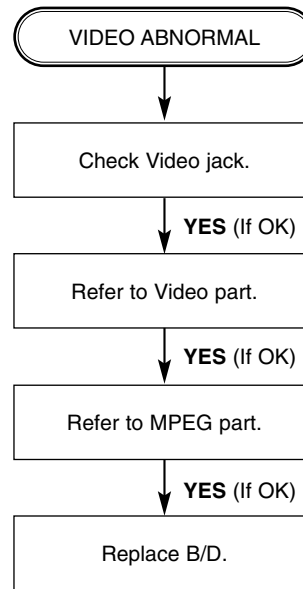
A. No Power



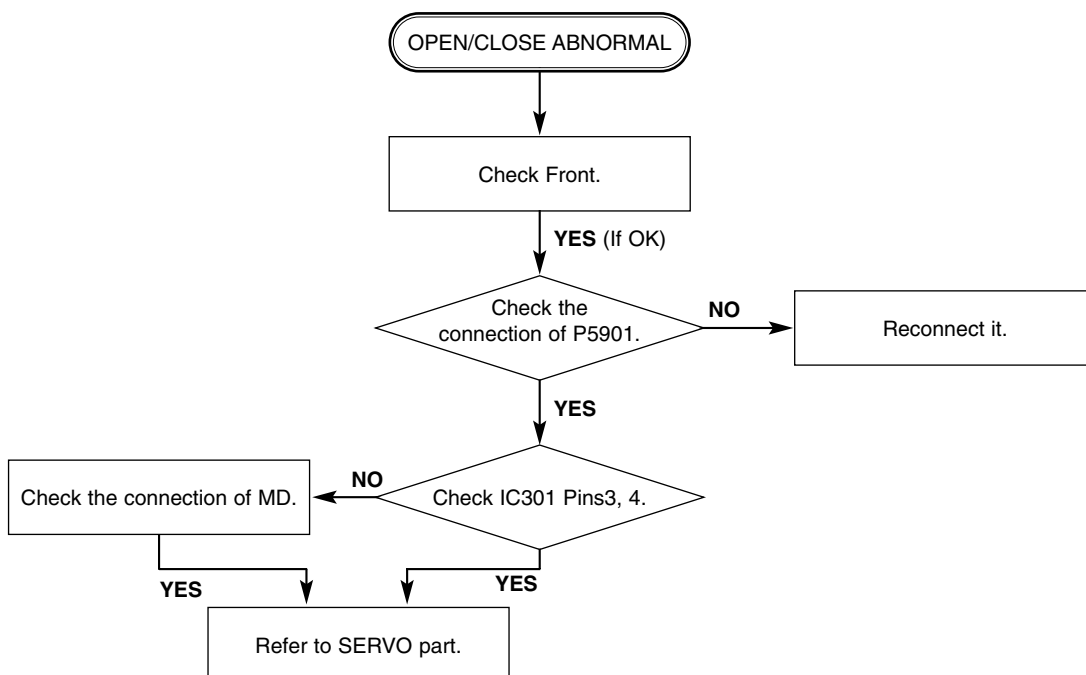
B. Audio abnormal



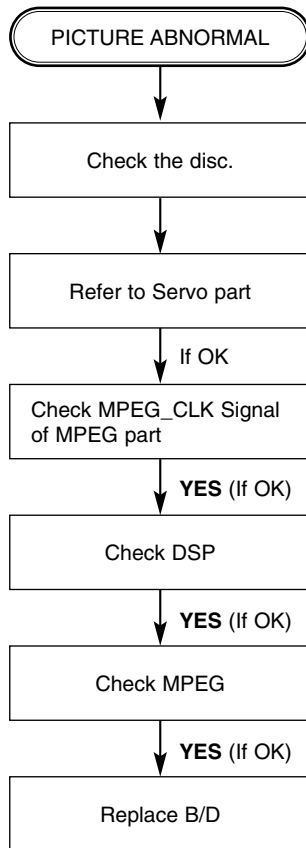
C. Video abnormal



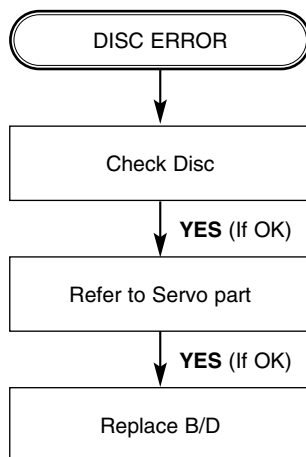
D. Open/Close abnormal



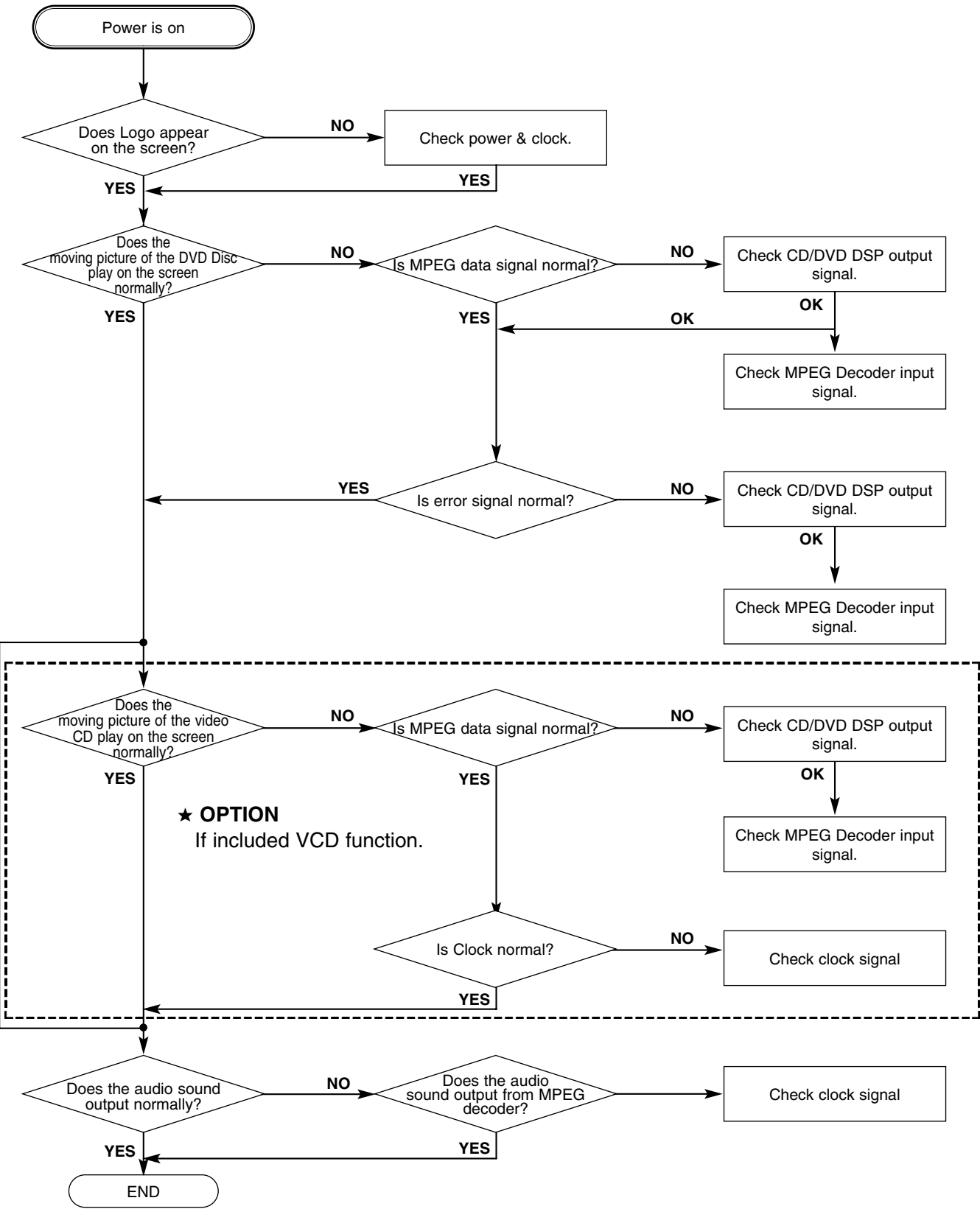
E. Picture abnormal



F. Disc Error

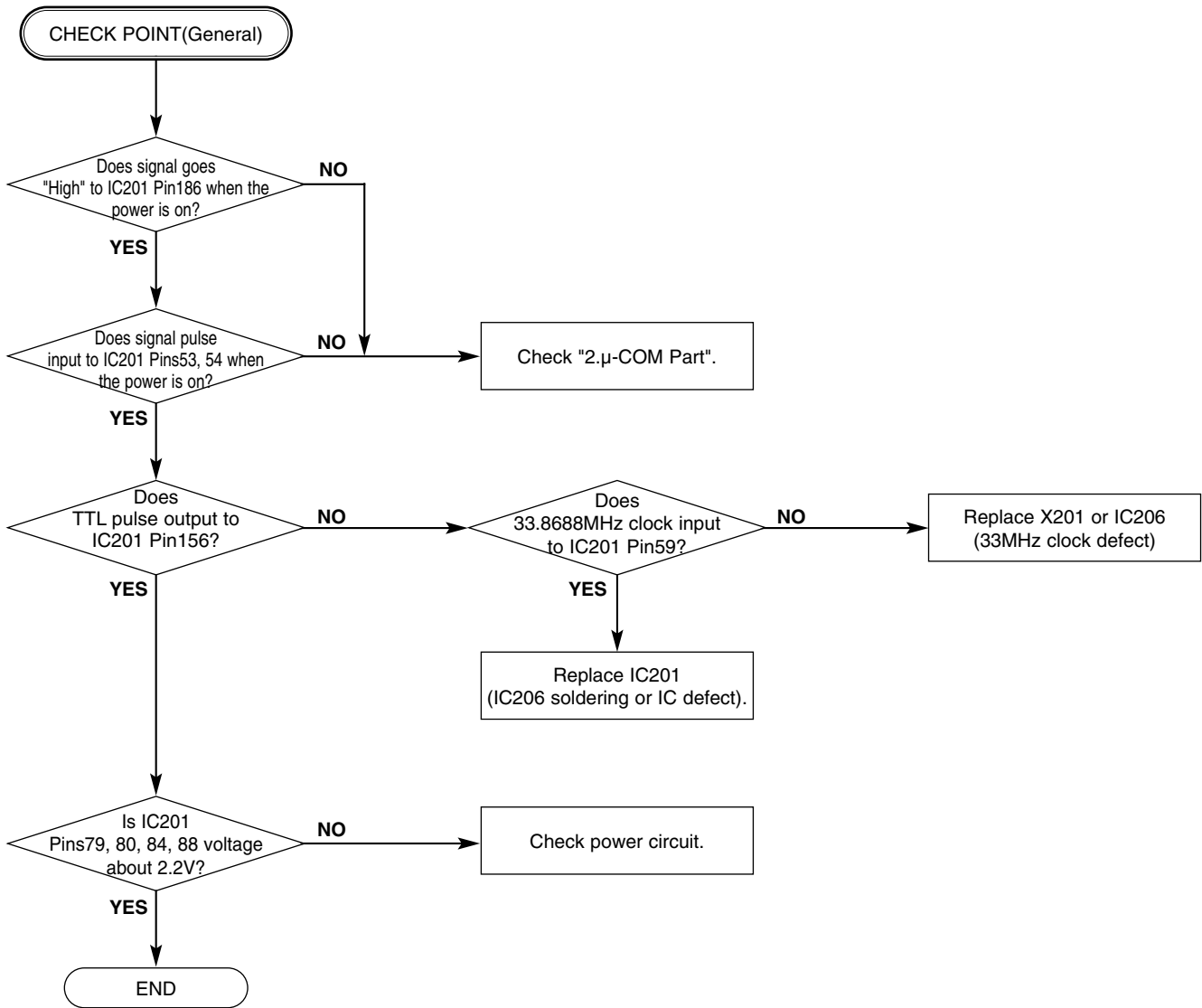


2. MPEG Circuit

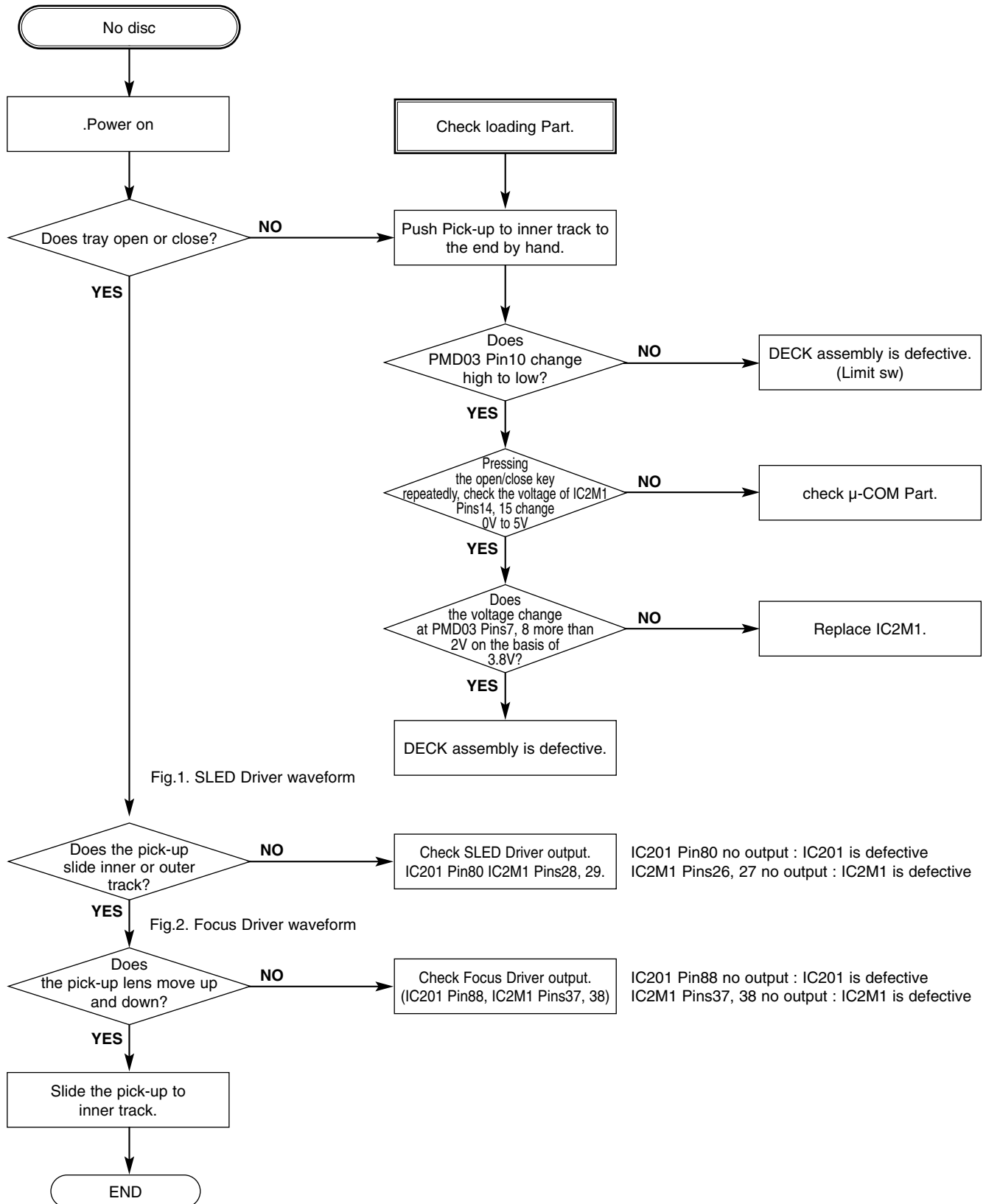


3. RF/Servo Circuit

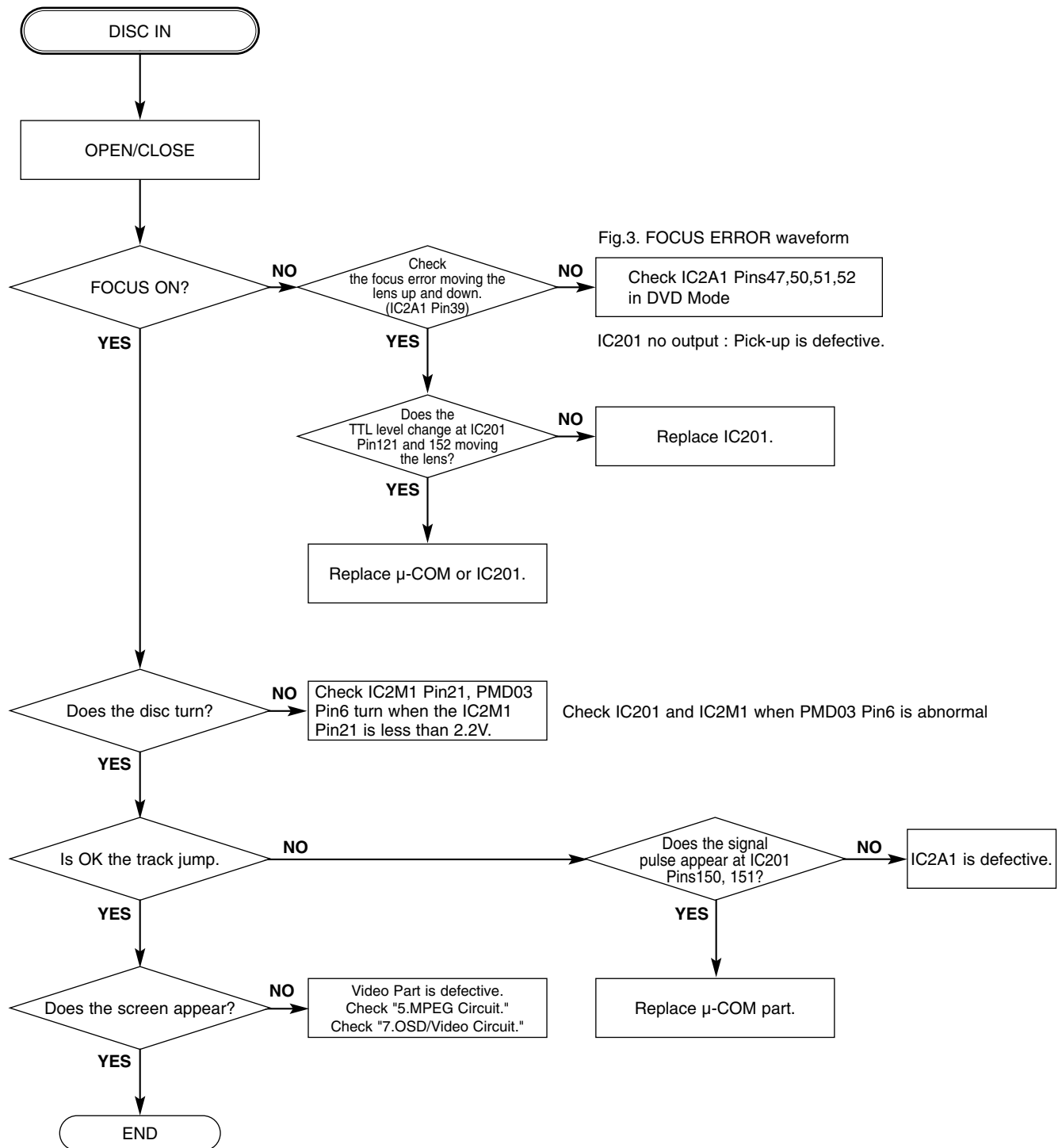
A.



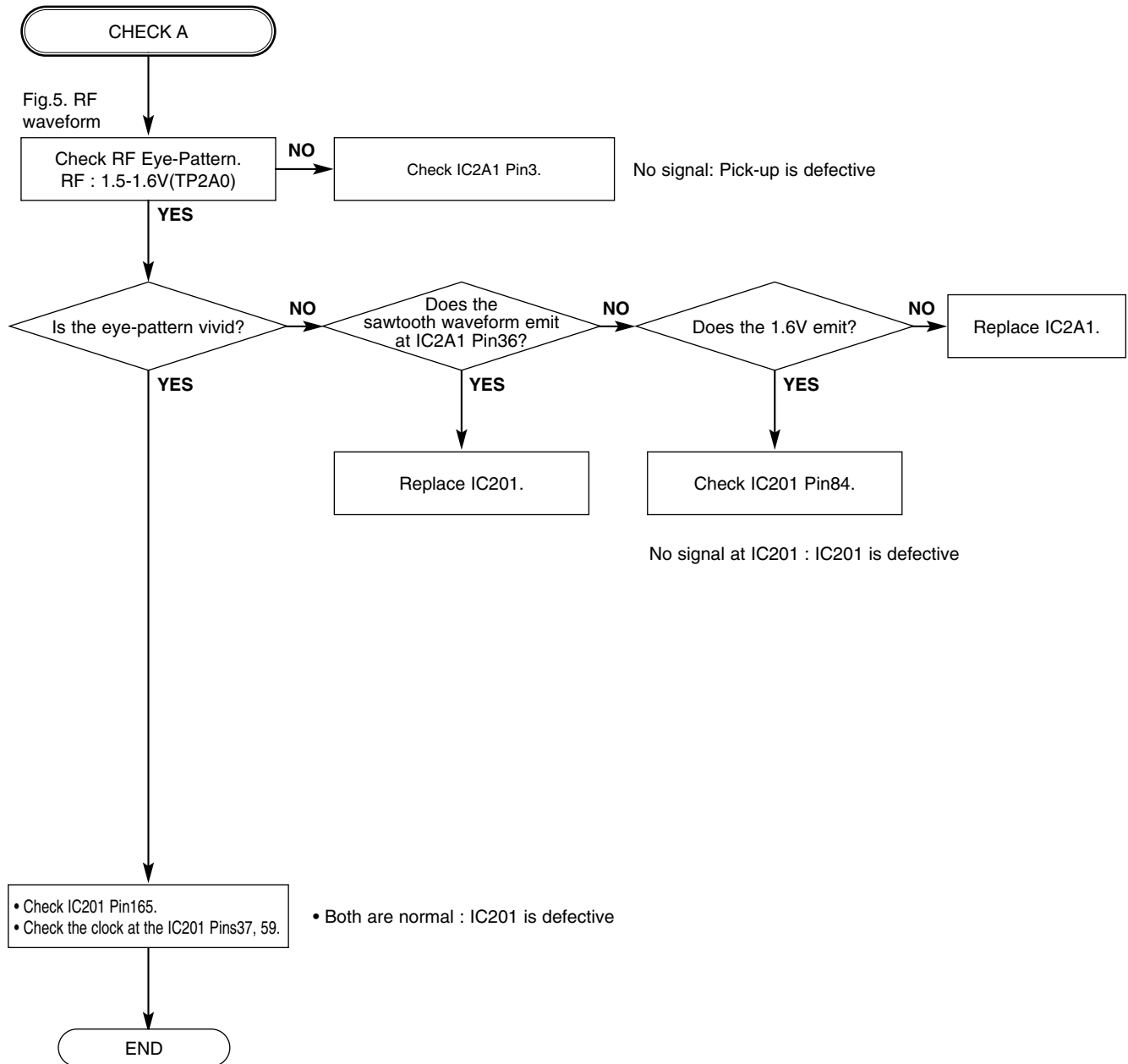
B.



C.



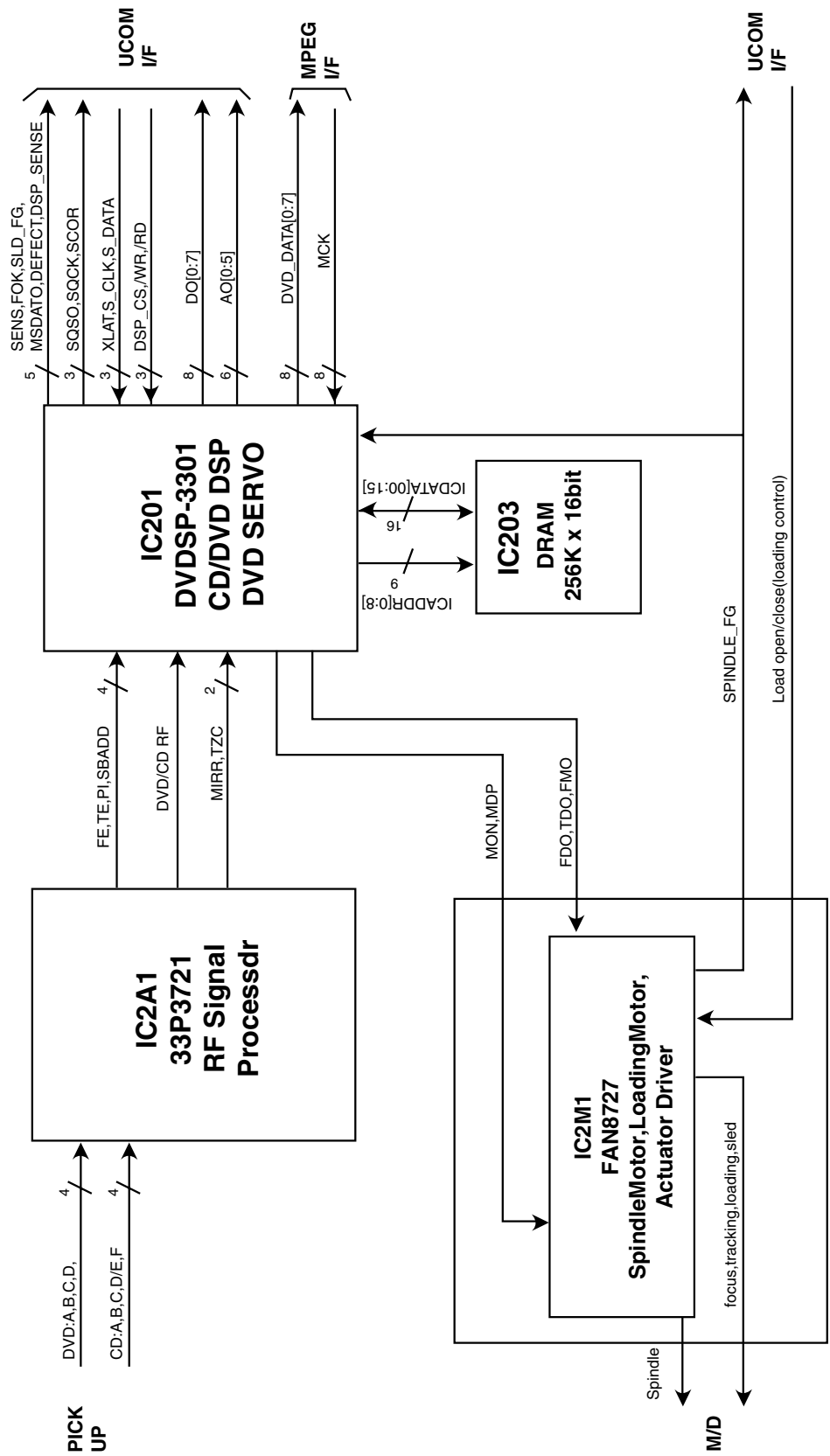
D.



1. DVD OVERALL BLOCK DIAGRAM

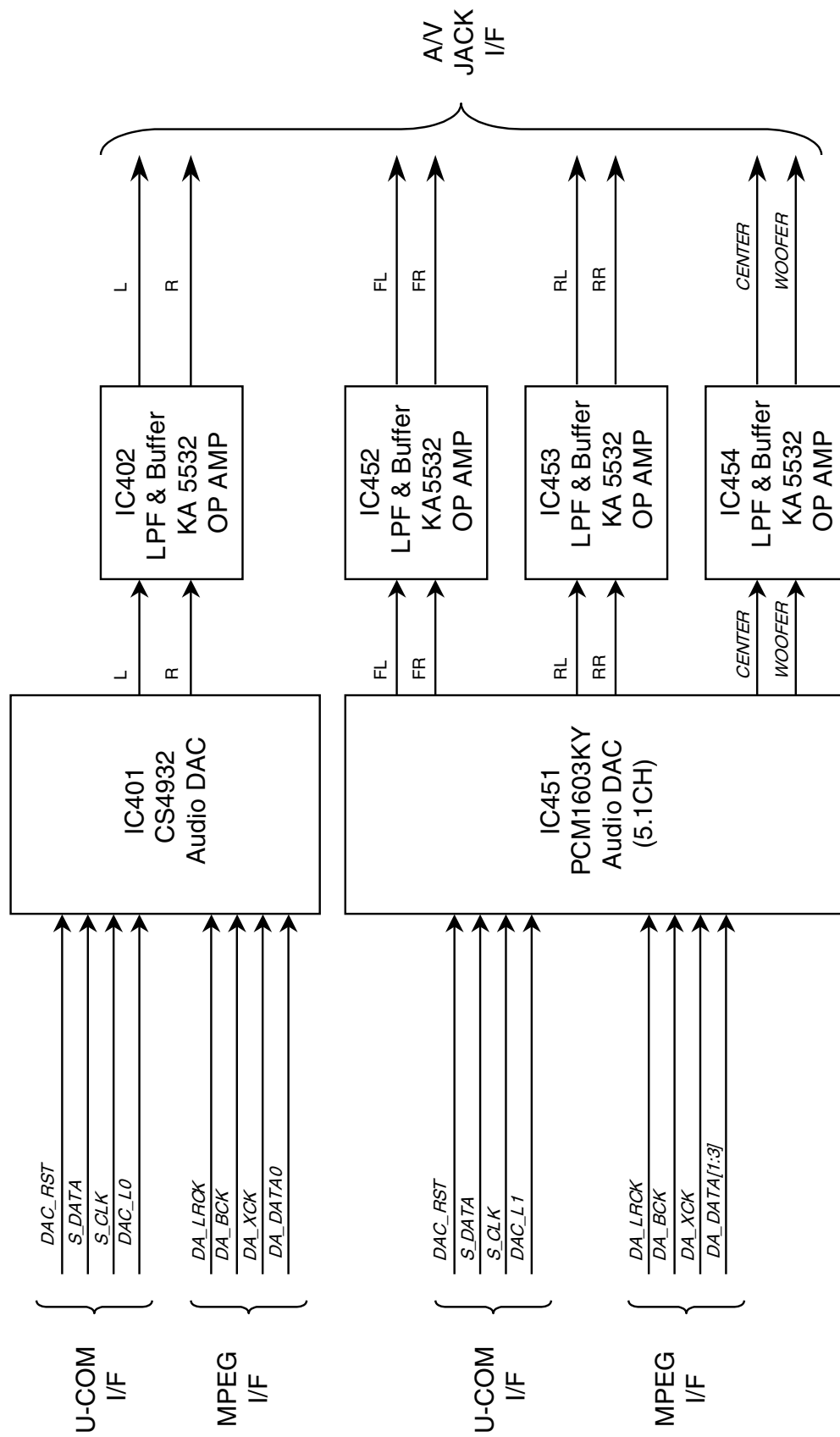


2. RF/CD DSP/DVD DSP/DVD SERVO BLOCK DIAGRAM

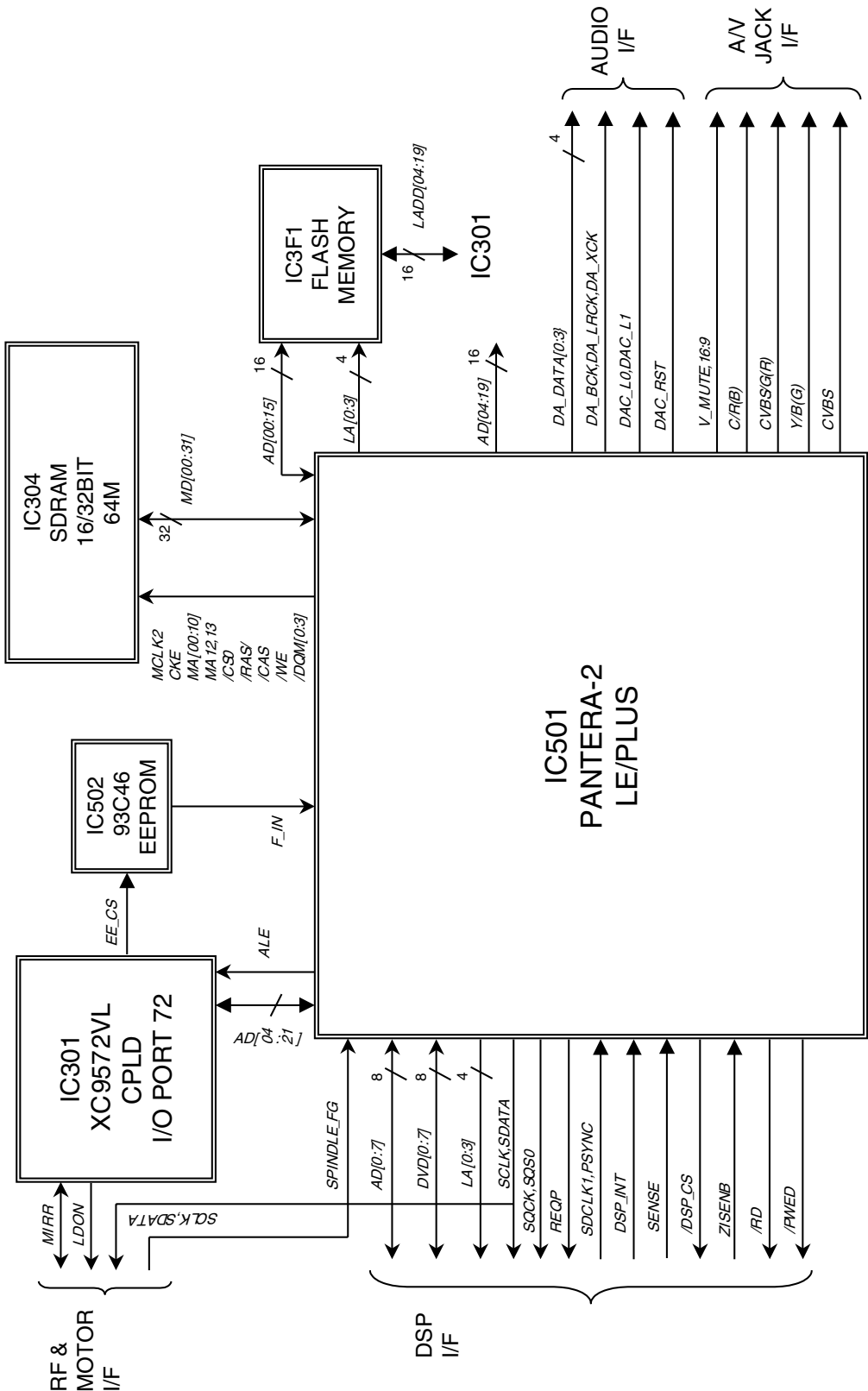


DV4000's

3. AUDIO BLOCK DIAGRAM



4. MPEG & MEMORY Block Diagram



02.02.20 R12553A
D'SCHEMATIC DSP_II
DVD + VCR COMBO

TRACKING LOOP
FOCUS LOOP
SLED LOOP
SPINDLE LOOP
WAVEFORM

8

7

6

5

4

3

2

1

TRACKING LOOP

FOCUS LOOP

SLED LOOP

SPINDLE LOOP

WAVEFORM

IC2M1 KA3032

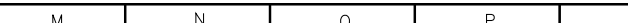
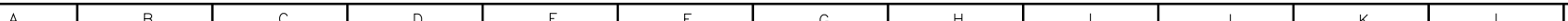
IC2A1 HD153702T

IC2A2 is defective.
No focus & tracking control.

Q2A1, Q2A2 are defective.
CD/DVD LD will not be on.

02.02.20 R12551A
D'SCHEMATIC DRIVE & RF
DVD + VCR COMBO

A vertical axis with tick marks and labels from 1 to 11. The labels are positioned to the left of the axis line.

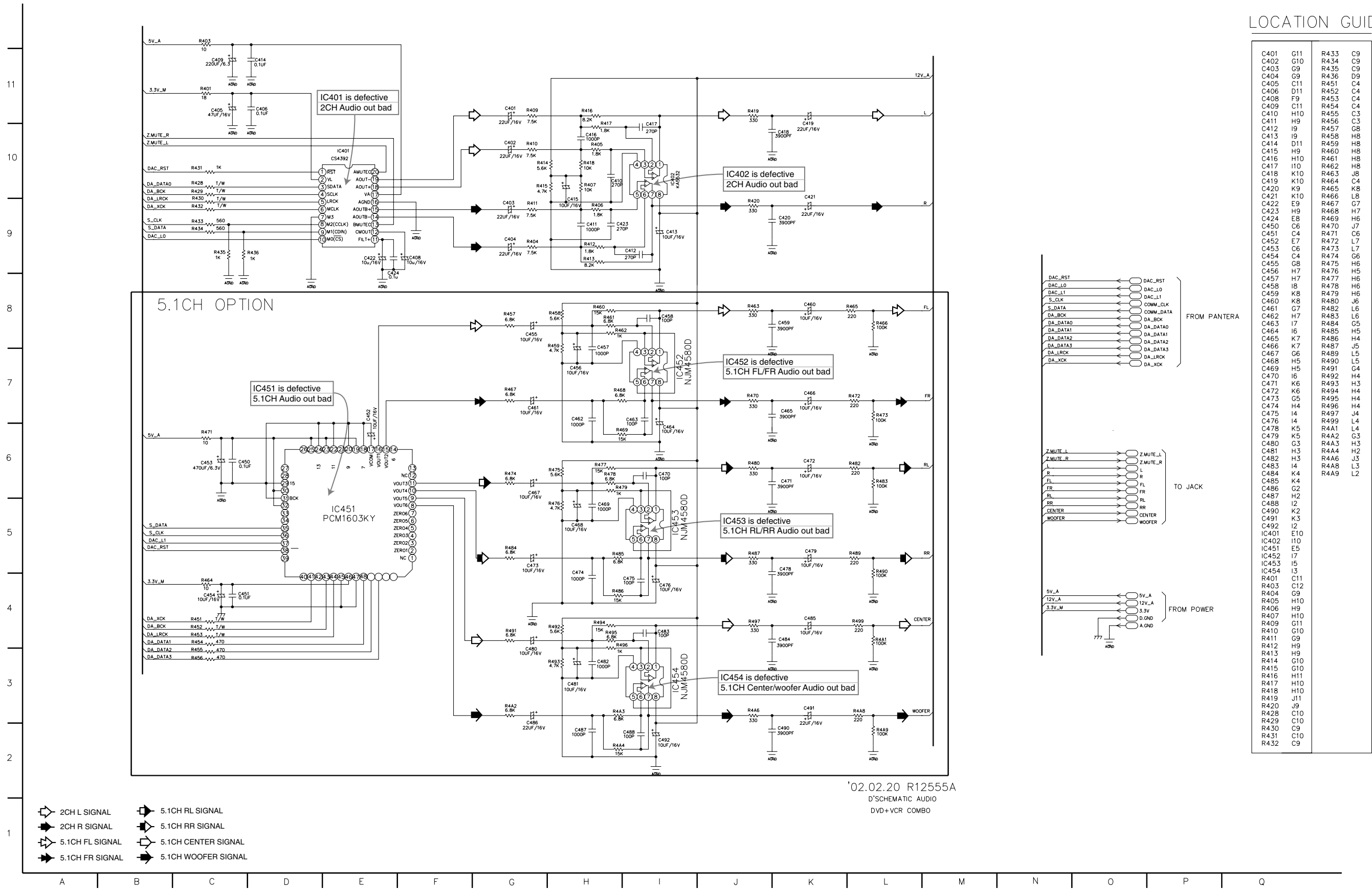


C501	D11	TP501	M5
C503	D10	TP506	E10
C504	C11	TP509	H11
C506	C11	TP510	F3
C507	D10	TP511	F3
C508	L3	TP512	F3
C509	L4	TP513	F2
C510	L4	TP514	F2
C511	L5	TP515	F2
C512	L6	TP516	F2
C513	L7	TP517	G3
C514	L7	TP518	G3
C515	L8	TP519	G3
C516	L9	TP520	G3
C517	D10	TP521	G3
C518	H10	TP522	G3
C519	H10	TP523	G3
C520	H10	TP524	H3
C521	G10	TP525	H3
C522	F10	TP526	H3
C523	D11	TP527	H3
C525	C8	TP528	H3
C526	D7	TP529	H3
C527	D6	TP530	H3
C528	D6	TP531	H3
C529	D5	TP532	I3
C530	D3	TP533	I3
C531	F3	TP534	I3
C532	F3	TP535	I3
C533	G3	TP536	I3
C534	H3	TP540	D8
C535	I3	TP541	D8
C536	J3	X501	G11
C538	D11	XI02	F2
C539	E10	XI02	M4
C540	F11	XI02	N4
C541	F11		
C542	L11		
C543	F10		
C544	L11		
C546	O9		
C549	O3		
C550	P3		
C551	P3		
C552	P3		
C553	P3		
C554	M3		
C555	N3		
C556	N3		
C557	M2		
C558	I10		
IC501	G7		
IC502	K11		
IC503	L4		
IC506	C12		
L502	C11		
L503	D12		
L504	D12		
L505	L11		
R501	B12		
R503	B4		
R504	E10		
R505	E10		
R506	E10		
R507	M3		
R508	N3		
R509	N3		
R510	M2		
R514	I11		
R515	I11		
R516	I11		
R517	I11		
R518	I11		
R519	I11		
R520	I11		
R521	B8		
R522	B6		
R523	B8		
R524	O3		
R525	L6		
R530	N10		
R531	O4		
R532	O4		
R533	O3		
R534	O3		
R535	O3		
R541	L3		
R588	E11		
R589	E11		
R590	E11		
R591	F11		
R597	F2		

DVD + VCR COMBO

4. AUDIO DM CIRCUIT DIAGRAM

LOCATION GUIDE

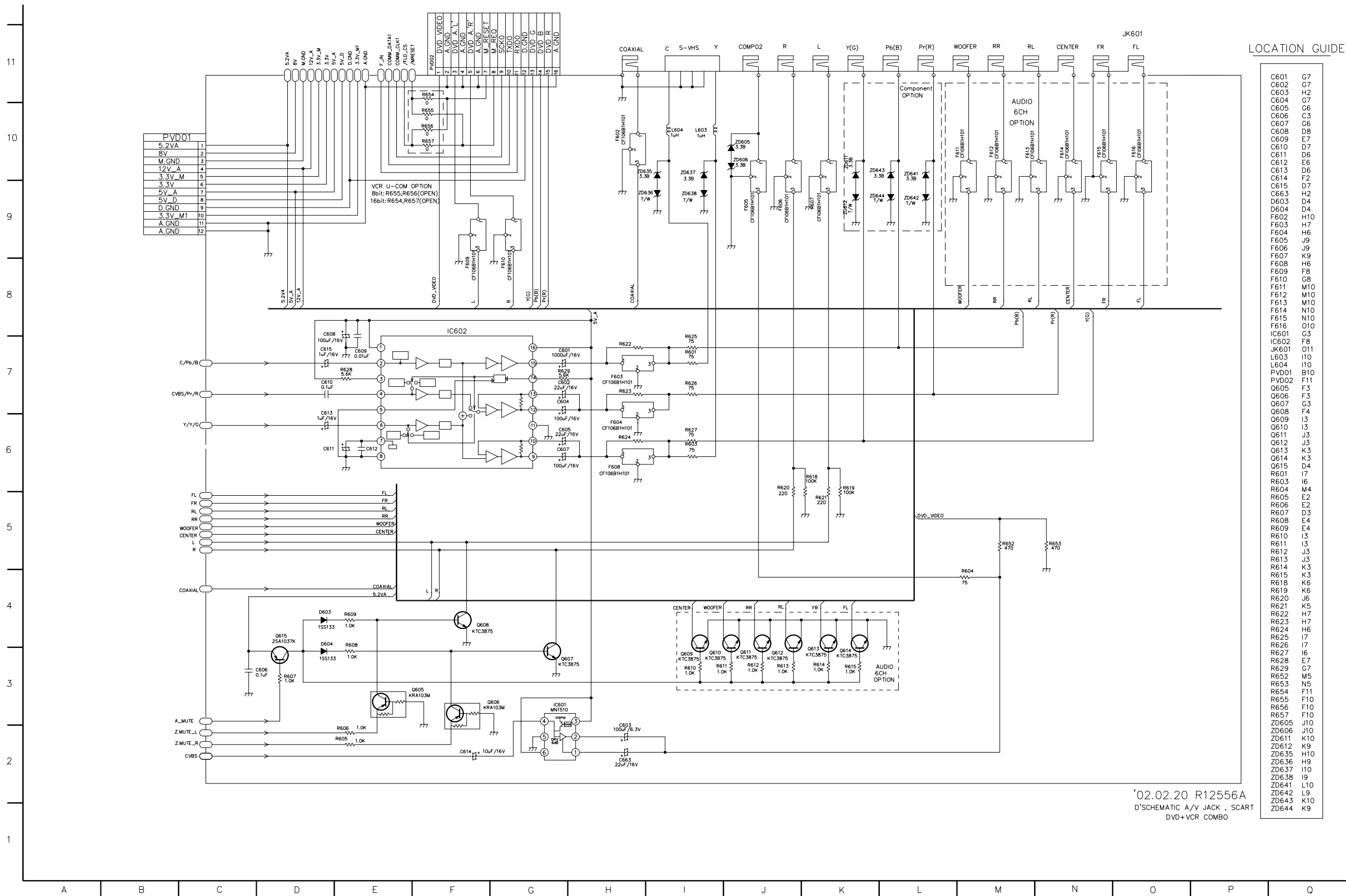


'02.02.20 R12555A
D'SCHEMATIC AUDIO
DVD+VCR COMBO

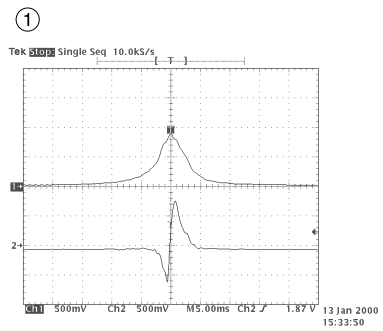
A vertical axis with tick marks and labels 1 through 11. The labels are positioned to the left of the axis line.



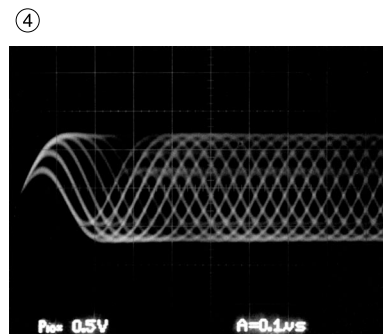
6. SCART(JACK) CIRCUIT DIAGRAM



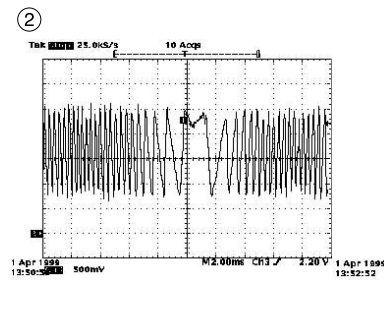
• **WAVEFORMS**



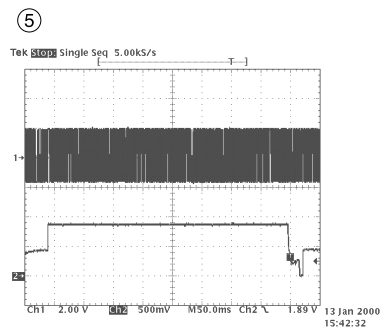
IC2A1 Pin 39, Focus Error
IC2A1 Pin 38, PE



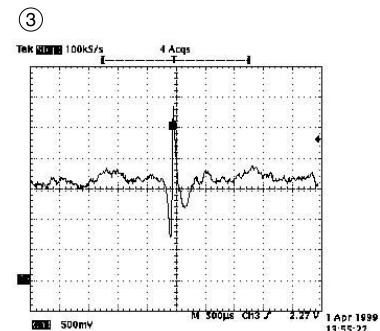
Q2A6 Collector output(TP2AO)
RF



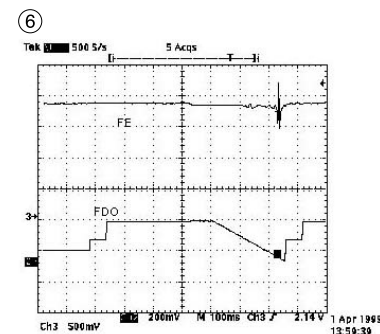
IC2A1 Pin 36
Tracking Error



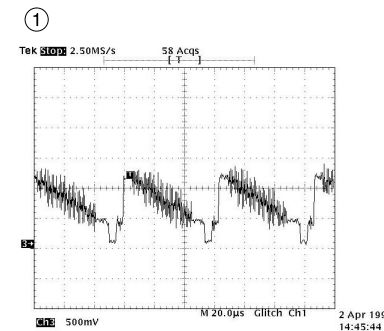
IC201 Pin 80, SLED FG
IC201 Pin 154, SLED FMO



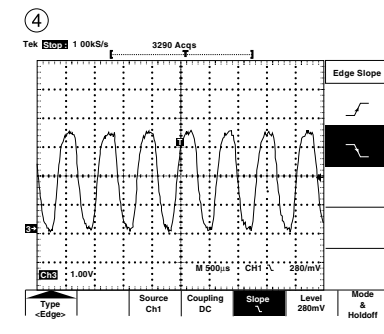
IC2A1 Pin 36
VBR TRACKING Error



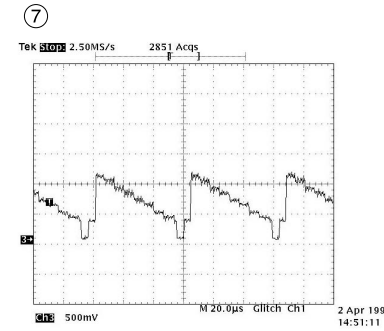
IC2A1 Pin39, Focus Error(in Focus Search)
IC201 Pin 88, Focus Drive(FDO)



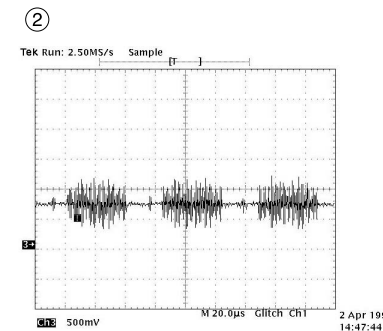
IC501 Pin 118, Composite



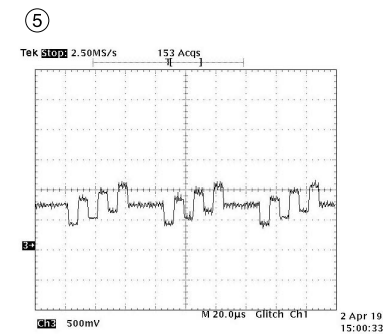
IC501 Pin 98,
MPEG Clock(27MHz)



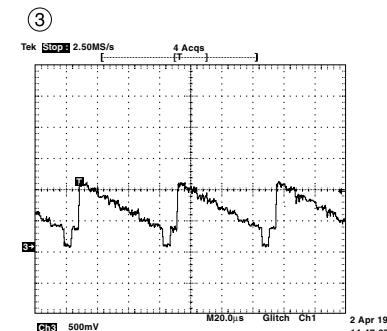
IC501 Pin 114
Component Y



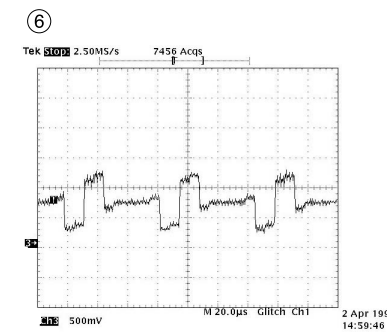
IC501 Pin 112, Chrominance
(Super video out Mode)



IC501 Pin 112
Component Pb



IC501 Pin 114, Luminance
(Super video out Mode)



IC501 Pin 110
Component Pr

• CIRCUIT VOLTAGE CHART

PIN	IC203		IC201		IC301		IC3F1		IC501		IC305		IC2A1		IC2M1	
	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
1	3.18	3.16	3.12	0	3.17	3.16	0	0	3.12	3.1	3.06	3.05	0	0	2.11	2.14
2	3.12	2.69	3.12	0	0	0	0	0	0	0.41	0.29	0.35	3.16	3.13	2.1	2.12
3	3.12	2.69	3.12	0	3.16	0	0	0	0	0.47	3.06	3.05	3.16	3.13	2.11	2.11
4	0	0	3.12	0	3.16	0	0	0	1.75	1.73	3.06	0.33	0.75	1.55	2.1	2.15
5	3.12	2.74	3.12	3.12	3.17	3.16	0	0	0	0.49	0	0	2.04	3.02	2.1	2.12
6	3.12	2.71	3.12	3.12	3.17	3.16	0	0	0	0	0	0	0	0	0	0
7	3.18	3.17	3.12	0	0	0	0	0	0	0.37	0	0.34	0	0	0	0
8	3.12	2.68	3.12	3.12	3.17	3.16	0	0	0	0.35	0.4	0	0	0.33	2.11	2.12
9	3.12	2.63	0	0	0	0	3.13	2.92	0	0.33	0	3.05	0	0	2.02	1.99
10	0	0	3.12	3.12	0	0	0	0	3.22	3.19	0.33	0	0.44	0	2.1	2.12
11	3.12	2.7	3.12	3.12	0	0	3.13	3.12	0	0	0.41	0	1.72	1.19	2.11	2.12
12	3.12	2.7	3.12	0	0	0	3.2	3.2	0	0	0	0	2.06	2.3	2.09	2.13
13	3.18	3.17	3.12	3.12	3.17	3.16	3.2	3.2	0	0	0	0.46	2.25	3.08	3.25	2.23
14	0	0	3.12	0	0	0	0	0	0	0	0	0	1.32	3.13	2.51	0
15	3.12	3.04	3.12	0	0	0	0	0	0	0.79	3.06	3.05	1.46	2.27	2.51	0
16	3.12	0	3.12	0	2.17	2.18	3.19	0	0	0.74	0	0	0	2.4	0	0
17	3.12	3.02	3.12	0	0.38	2.21	0	0	0	0	3.09	3.07	0	0	2.18	0
18	0	0	3.13	3.12	0.41	0.61	0	0	0	0.71	0	2.82	0	0	0	0
19	0	0	3.13	0	0	0	0	0	3.22	3.1	2.84	3.03	0	0	0	0
20	0	3.12	0	0	0	0	0	0	3.22	3.13	3.05	2.76	0	0	1.52	1.89
21	3.13	0	3.13	0	0	0	0	0	3.22	3.13	0	0	3.01	5.01	1.88	1.89
22	3.13	3.17	0	0	0	0	0	0	1.64	0	0	1.38	3.85	5.01	0	0
23	3.13	0	0	0	0	0	0	0	0	0	0.8	0.79	0	0	3.13	0
24	0	0	3.13	0	0	0	0	0	3.22	3.13	0	0	0	0	0	0
25	3.18	0	3.12	0	0	0	3.11	3.11	0	3.13	1.14	1.1	0	0	7.95	7.92
26	0	0	0	0	3.21	3.16	3.17	3.2	0	3.13	0.38	1.54	3.31	3.63	3.92	3.71
27	0	0	0	3.12	0	0	0	0	3.22	3.11	0	0	0	0	3.92	3.71
28	3.12	0	0	0	0	0	3.11	0	0	1.1	0	0	3.14	3.16	3.9	3.74
29	0	3.12	0	0	0	0	0.61	1.07	0	0	0	0.05	5.15	5.14	3.95	3.68
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	3.17	0	3.12	0	0	0	0.6	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	3.22	1.39	0	0	0	0	1.18	4.2
33	3.1	0	3.12	0	0	0	0.59	0	3.22	0.8	0	0	0	0	1.18	3.43
34	3.18	0	3.12	0	0	0	0	0	1.75	1.52	0.34	0	5.03	4.99	0	0
35	1.5	0	3.12	0	0	0	0.61	0	3.22	2.76	3.03	3.05	2.29	2.34	3.92	3.75
36	0	3.12	0	0	0	0	0	0	3.22	3.11	0	0.34	2.2	2.3	3.93	3.73
37	0	0	1.51	0	0	0	3.18	0	3.22	3.03	0	0	2.2	2.2	3.92	3.73
38	3.18	0	0	0	3.17	3.16	0	0	3.22	2.83	0	0	2.29	2.26	3.92	3.68
39	3.12	3.12	0	0	0	0	0	0	3.22	3.08	0.56	0	2.24	2.24	7.95	7.94
40	3.12	3.12	0	0	0	0	2.17	0	0	0	0.56	0	0	0	7.91	7.87
41	0	3.17	0	0	0	0	0	0	0	0	0	3.05	5.03	5.01	0	0
42	3.12	0	0	0	0	0	0.38	2.28	0	0	0	3.03	0.45	0	0	0
43	3.12	0	0	0	0	0	0	0	0	0.34	3.03	3.05	0	0	0	0
44	3.18	0	0	0	0	0	0.41	0.65	3.22	3.11	0	0	5.03	1.59	0	0
45	3.12	3.12	0	0	3.17	3.15	0	0	0.45	0.33	0	0.44	2.3	2.3	7.95	7.94
46	2.76	3.12	1.56	0	0	0	0	0	0	0	0	0	2.3	2.3	2.11	2.12
47	0	0	0.91	0	3.17	3.15	0	0	0	0	0.38	0	1.74	2.3	2.1	2.12
48	3.12		1.65	0	2.19	0	0	0	0	0	0	0	0	0	2.11	2.12
49	3.12		3.14	0.53	0	0			0	0	3.03	0	0	0		
50	0		0	0	0	0			0.43	0.39	0.36	3.05	2.3	2.3		
51			0.64	0	3.17	0			0.42	0.45	0	0.34	2.3	2.3		
52			0.43	0	3.17	3.19			0.43	0.35	0	0	2.3	2.3		
53			0	0	3.11	2.91			3.12	3.11	0	0	2.3	2.3		
54			2.58	0	0	0			0	0	0.41	0	2.3	2.3		
55			0	0	0	0			0	0.33	3.03	3.05	2.3	2.3		
56			3.11	0	0	0			0.39	0.36	0	0.34	2.3	2.3		
57			0	0	3.17	3.19			0	0	0	0	2.3	2.3		
58			1.65	0	0	0			0	0	0	0	2.3	2.3		
59			1.79	0	0	0			0	0.42	0	0	2.29	2.3		
60			0	0	0	0			0.44	0.4	0	0.79	2.29	2.3		
61			3.13	0	0	0			0.44	0.47	0	0.79	0.36	0.56		
62			0	0	0	0			3.12	3.11	0	2.26	0.37	0.62		
63			3.13	0	0	0			0.45	0.35	0	0.74	5.03	5.02		
64			0	0	0	0			0	0	0	0.78	0	0		
65			0	0	0	0			0	0	0	0				
66			3.12	0	0	0			0	0	0	0				
67			0	0	0	0			0	0.31	3.11	3.1				
68			3.13	3.12	3.11	3.1			1.51	0	1.6	1.59				
69			4.08	0	0	0			0	1.5	0	0				
70			3.13	0	0	3.16			1.47	0	0	0				
71			0	0	3.11	3.1			0	0	0	0				
72			3.13	3.13	0	0			0	0	0	0				
73			0	0	0	0			0	0	0	0				
74			0	0	3.11	3.1			0	0	0	0.45				
75			0.78	0	0	0			3.12	3.11	3.04	3.05				
76			1.41	0	0	0			1.48	1.26	0	0				
77			0.77	0	0	0			1.74	1.74	0	0				
78			0.77	0	0	0			1.54	1.54	0	0				
79			2.1	2.11	3.17	0			1.56	1.55	0	0				
80			2.12	2.11	0	0			3.11	3.1	0	0.34				
81			3.18	0	3.17	0			3.01	3.01	1.69	0				

IC203			IC201		IC301		IC3F1		IC501		IC305		IC2A1		IC2M1	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
82			3.18	0	3.17	3.19			0	0	0	0				
83			1.93	1.93	2.12	2.27			0	0.33	0	0				
84			2.11	2.11	0	0			1.74	5.12	0	0				
85			0	0	4.41	4.41			0	0	0	0.33				
86			0	0	0	0			0	0	0	0				
87			1.93	0	0	0			1.42	3.11						
88			2.1	0	3.17	3.19			1.87	3.11						
89			1.93	1.92	2.66	0			1.67	1.74						
90			1.59	0	0	3.17			0	0						
91			0.8	0	3.19	0			3.11	3.11						
92			2.36	2.36	3.19	3.19			0	3.11						
93			2.24	1.6	3.19	3.19			3.11	3.11						
94			1.58	1.56	0	0			0	0.34						
95			1.64	1.62	3.13	3.13			0	0.34						
96			1.58	1.62	0	0			2.82	3.11						
97			1.58	1.56	3.19	3.19			0	0						
98			0	0	3.19	3.19			0.85	0.92						
99			0	0	0.36	0.36			0.89	0.93						
100			1.58	0	0	0			0	0						
101			3.18	0					1.79	1.74						
102			3.18	0					3.23	3.1						
103			2.01	2.01					0	0						
104			2.01	2.01					0	0						
105			0	0					0	0						
106			3.12	0					0	0						
107			2.07	3.12					3.23	3.09						
108			0.41	0					1.74	1.74						
109			0	0					0	0						
110			2.15	0					1.75	1.3						
111			0	0					0.34	0.74						
112			0	0					0	1.39						
113			0	0					3.2	3.1						
114			0	0					0.49	0.64						
115			0	0					0	0						
116			0	0					1.17	1.29						
117			0	0					1.79	1.74						
118			0	0					0	0.74						
119			0	0					1.17	1.28						
120			3.12	0					2.04	1.82						
121			0	0					0	0						
122			3.12	3.12					0	0						
123			3.12	3.12					0	0.36						
124			0	0					0	0.36						
125			3.12	3.12					3.16	3.1						
126			3.12	0					0	0.36						
127			2.42	0					0	0						
128			0	0					0	0						
129			2.41	0					0	0						
130			3.18	3.17					0	0						
131			3.12	3.12					0	0						
132			3.12	0					0	0						
133			0	0					3.13	0						
134			3.12	3.12					0	0						
135			3.12	3.12					1.74	1.74						
136			2.45	2.33					0	0						
137			1.68	1.65					0	0						
138			1.77	1.87					0	0						
139			2.45	2.33					0	0						
140			2.61	0.32					3.13	3.1						
141			2.54	0					0	0						
142			3.12	0					0	0						
143			0	0					0	0						
144			0	0					0	0						
145			0	0					3.13	3.09						
146			2.54	0					0	0						
147			2.54	0					0	0						
148			2.54	0					0	0						
149			2.54	0					0	0						
150			4.76	0					0	0						
151			4.13	0					0	0						
152			0	0					0	0						
153			0	0					0	0						
154			0	0					3.13	3.1						
155			3.12	0					0	0						
156			3.12	0					3.13	3.09						
157			3.12	0					0	0						
158			0	0					0	1.73						
159			0	0					1.74	1.73						
160			0	0					1.12	1.83						
161			2.64	2.62					3.13	0						
162			3.18	3.16					0	0						

	IC901		IC451		IC401		IC454		IC453		IC452		IC402		IC801	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
1	0	0	0	0	2.98	2.98	5.51	5.51	5.41	5.42	5.49	0	5.47	5.47	1.83	1.81
2	5.1	5.05	3.15	3.15	3.26	3.26	5.51	5.51	5.41	5.42	5.49	5.51	5.47	5.47	0	0
3	0	0	3.15	3.15	0	0	5.51	5.51	5.41	5.41	5.49	5.51	5.47	5.47	1.83	1.81
4	5.14	5.14	3.15	3.14	1.57	0	0	0	0	0	0	0	0	0	0	0
5	0.48	0	3.15	3.15	1.58	1.58	5.51	5.51	5.41	5.41	5.49	5.51	5.47	5.47	0	0
6	0.48	0	3.15	3.15	1.3	0	5.51	5.51	5.41	5.42	5.49	5.51	5.47	5.47	4.59	4.57
7	5.17	5.17	3.15	3.15	0	0	5.51	5.51	5.41	5.41	5.49	0	5.47	5.47	1.84	1.82
8	2.22	2.21	2.43	2.42	3.24	3.24	11.95	11.95	11.95	11.95	11.95	11.95	11.95	11.95	0	0
9	2.35	2.35	2.48	2.46	0	0									1.84	1.82
10	0	0	2.43	2.42	3.2	3.19										
11	2.26	2.24	2.48	0	4.85	4.84										
12	2.46	2.45	0	0	2.31	0										
13	0	0	0	0	2.35	0										
14	5.17	5.16	0	0	2.35	0										
15	5.17	5.16	2.43	2.43	0	0										
16	5.1	5.06	2.47	3.14	0	0										
17	0	0	2.45	0	4.91	0										
18	0	0	0	0	2.34	2.34										
19	5.16	5.16	4.91	4.88	2.34	2.33										
20	5.14	5.14	0	0	0	0										
21	5.01	5.02	0	0												
22	0	0	0	0												
23	0	0	4.91	0												
24	0	0	0	0												
25	2.68	2.68	4.9	4.88												
26	5.17	5.17	0	0												
27	5.17	5.17	0	0												
28	4.77	4.87	0	0												
29	5.07	5.06	0	0												
30	21.58	18	4.91	4.88												
31	23.58	18	0	0												
32	23.6	23	4.91	4.88												
33	27.54	21.21	0	0												
34	23.6	17.18	0.36	0												
35	23.6	22.91	0	0												
36	21.6	19.14	3.24	3.23												
37	21.61	25.01	3.19	3.19												
38	23.65	23.06	2.93	3.92												
39	23.65	23.09	0	0												
40	23.57	23.08	0	0												
41	25.6	23.07	1.3	1.31												
42	25.6	25.03	1.48	1.47												
43	25.6	25.03	1.57	0												
44	25.6	23.07	1.58	1.58												
45	27.6	25.07	0	0												
46	27.6	21.16	3.15	3.15												
47	27.5	25.11	0	0												
48	27.5	24.76	0	0												
49	27.5	27.86	0	0												
50	27.5	26.88	0	0												
51	6.73	6.69	3.15	3.14												
52	25.7	25.13	0	0												
53	25.6	25.08														
54	25.6	25.16														
55	25.6	25.15														
56	25.6	25.08														
57	25.6	25.13														
58	27.7	27.08														
59	5.16	5.15														
60	5.16	5.16														
61	5.16	5.16														
62	5.16	5.16														
63	0	0														
64	0	0														

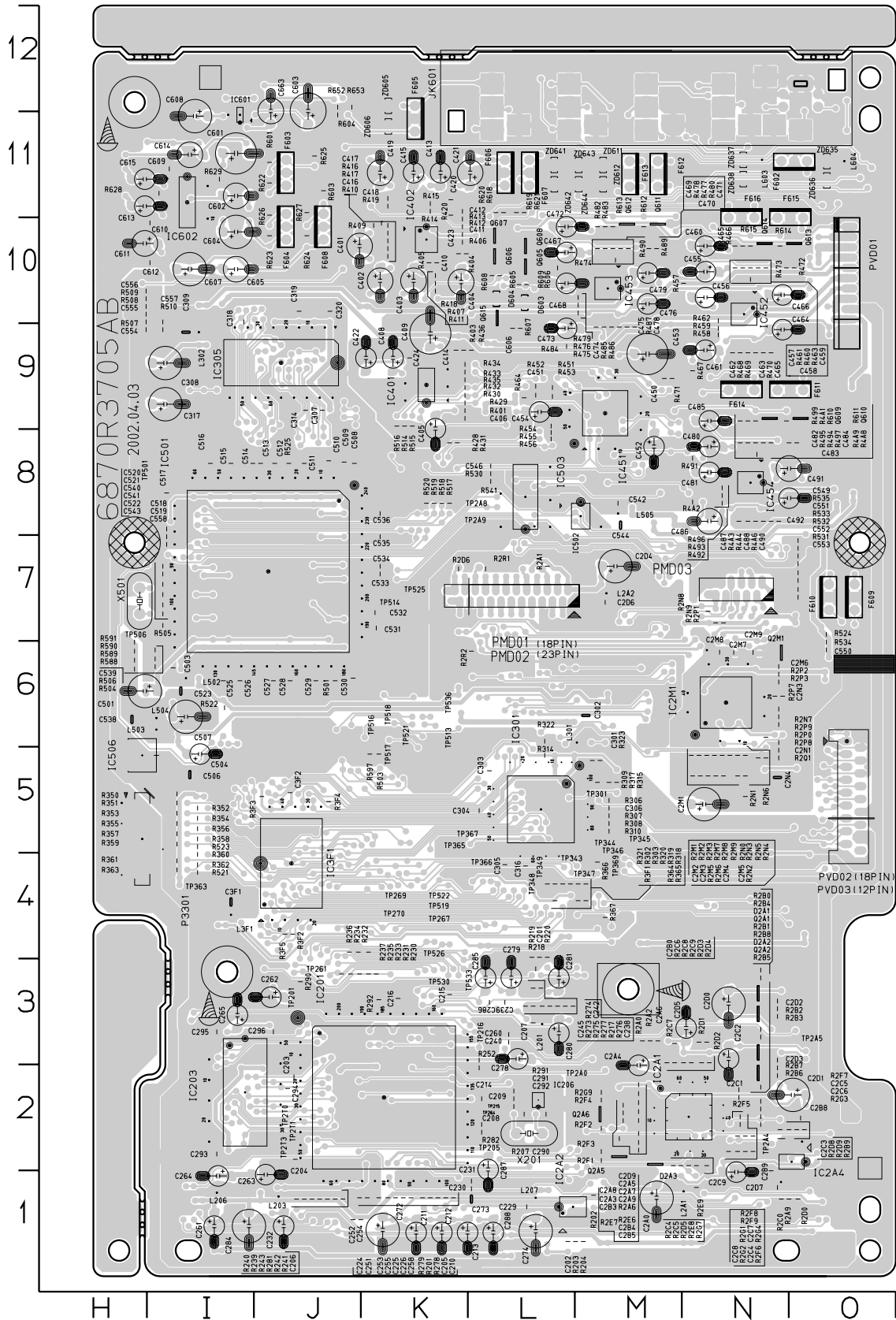
	IC503		IC502		IC2A4		IC2A2		IC206		IC504		IC506	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
1	0	0	0	0	4.87	4.39	1.57	1.56	2.63	2.64	2.11	2.19	(IN)0	0
2	3.1	3.1	5.03	5.03	2.3	2.31	1.57	1.56	2.74	0	5.05	5.05	(OUT)1.80	0
3	5.03	5.03	0	0	2.29	2.29	1.57	0	2.74	2.76	2.37	2.44		
4	0	0	5.1	5.1	0	0	0	0	0	0	0	0		
5	0	0	0	0	2.29	2.29	1.62	1.62	1.92	1.88				
6	0	0	5.04	5.04	2.3	2.31	1.62	1.62	2.28	0				
7	5.05	5.05	0	0	2.51	2.45	1.62	1.62	2.28	0				
8	0	3.15	5.03	5.04	5.02	5.02	5.04	4.99	5.04	0				
9	0	0												
10	0	0												
11	0	0.46												
12	0	0.15												
13	3.11	3.1												
14	0	0												
15	0	0												
16	0	0												
17	3.09	3.09												
18	5.15	5.14												
19	0	0												
20	5.15	5.15												

	Q2M1		Q2A1		Q2A6		Q2A5		Q2A2	
	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
E	0	0	5.02	0	0	2.41	2.34	2.35	5.02	4.95
B	0	0	0	0	3.62	3.72	3.82	0	0	0
C	0	3.14	0	0	0	3.1	0	0	5.01	4.94

	Q610		Q611		Q609		Q613		Q614		Q612	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
Emitter	0	0	0	0	0	0	0	0	0	0	0	0
Collector	0	0	0	0	0	0	0	0	0	0	0	0
Base	0.77	0.78	0.77	0.77	0.76	0.77	0.76	0.77	0.77	0.77	0.76	0.79

PRINTED CIRCUIT DIAGRAMS

1. MAIN P.C.BOARD (TOP VIEW)



LOCATION GUIDE

C201	L4	C2C4	N2	C459	N10	C552	07	L503	16	R2B9	02	R320	L4	R473	N10	R614	N10
C202	L1	C2C5	N2	C460	N10	C553	07	L504	16	R2C0	N1	R321	L4	R474	L10	R615	N10
C203	J2	C2C6	N2	C461	N9	C554	H9	L505	M8	R2C4	M2	R322	L6	R475	M10	R618	L11
C204	J2	C2C7	N2	C462	N9	C555	H10	L603	N11	R2C5	M2	R323	M5	R476	M10	R619	L11
C205	K1	C2C8	N2	C463	N9	C556	H10	L604	O11	R2C6	M3	R350	15	R477	M10	R620	L11
C206	J1	C2C9	N1	C464	N9	C557	110	P3301	H5	R2C7	M3	R351	15	R478	M10	R621	L11
C207	L3	C2D0	N3	C465	N9	C558	17	PMD01	L7	R2C8	N3	R352	15	R479	M10	R622	J11
C208	L2	C2D1	O2	C466	N10	C601	111	PMD02	L7	R2C9	N3	R353	15	R480	M10	R623	J10
C209	L2	C2D2	N3	C467	L10	C602	111	PMD03	N7	R2D0	O1	R354	15	R482	M10	R624	J10
C210	K1	C2D3	N3	C468	L10	C603	J11	PVD01	O10	R2D1	N3	R355	15	R483	M10	R625	J11
C211	K1	C2D4	M7	C469	M10	C604	110	PVD02	O6	R2D2	N3	R356	15	R484	L9	R626	J11
C212	K1	C2D5	N3	C470	M10	C605	110	Q2A1	N3	R2D3	N3	R357	15	R485	M9	R627	J11
C213	K1	C2D6	M7	C471	M10	C606	L9	Q2A2	N2	R2D4	N3	R358	15	R486	M9	R628	I11
C214	L2	C2D7	N1	C472	L10	C607	110	Q2A5	M2	R2D5	N2	R359	15	R487	M9	R629	I11
C215	K3	C2D9	M2	C473	L9	C608	111	Q2A6	M2	R2D6	K7	R360	14	R489	M10	R652	J12
C216	K3	C2M1	N5	C474	M9	C609	111	Q2M1	N6	R2D8	O2	R361	14	R490	M10	R653	J12
C224	J1	C2M2	N5	C475	M9	C610	110	Q605	L10	R2D9	O2	R362	14	R491	N8	TP201	J3
C225	K1	C2M3	N5	C476	M10	C611	H10	Q606	L10	R2E6	M2	R363	14	R492	N8	TP205	L2
C226	K1	C2M4	N5	C478	M9	C612	110	Q607	L10	R2E7	M2	R364	M4	R493	N8	TP215	L2
C229	L1	C2M5	N5	C479	M10	C613	H11	Q608	L10	R2E8	N2	R365	M4	R494	N8	TP216	L3
C230	L1	C2M6	N6	C480	N8	C614	111	Q609	N9	R2E9	N1	R366	M4	R495	N8	TP261	J3
C231	L1	C2M7	N6	C481	N8	C615	H11	Q610	O9	R2F1	M2	R367	M4	R496	N8	TP264	L2
C232	J1	C2M8	N6	C482	N8	C663	J11	Q611	M10	R2F2	M2	R3F1	L4	R497	N8	TP267	K4
C238	L3	C2M9	N6	C483	N8	D2A1	N3	Q612	M10	R2F3	M2	R3F2	J4	R499	N9	TP269	K4
C239	L3	C2N1	N5	C484	N8	D2A2	N3	Q613	O10	R2F4	M2	R3F3	J5	R4A1	N9	TP270	K4
C240	L3	C2N3	N6	C485	N9	D2A3	M2	Q614	N10	R2F5	N2	R3F4	J5	R4A2	N8	TP2A0	M2
C242	L3	C2N4	N5	C486	N8	D603	L10	Q615	L10	R2F6	N2	R3F5	J4	R4A3	N8	TP2A4	N2
C245	L3	C301	M5	C487	N8	D604	L10	R201	K1	R2F7	N2	R401	K9	R4A4	N8	TP2A5	O3
C251	K1	C302	M6	C488	N8	F602	O11	R202	M1	R2F8	N2	R403	K9	R4A6	N8	TP2A8	L8
C252	J1	C303	L5	C490	N8	F603	J11	R203	M1	R2F9	N2	R404	K10	R4A8	O8	TP2A9	L8
C253	K1	C304	L5	C491	O8	F604	J10	R204	M1	R2G1	N2	R405	K10	R4A9	O8	TP2T0	J2
C254	K1	C305	L4	C492	O8	F605	K11	R207	L2	R2G2	N2	R406	K10	R501	J6	TP2T1	J2
C255	K1	C306	M5	C501	H6	F606	L11	R217	L3	R2G3	N2	R407	K10	R503	K5	TP2T3	J2
C258	K1	C307	J9	C503	16	F607	L11	R218	L3	R2G4	N2	R409	K10	R504	16	TP301	M5
C260	L3	C308	19	C504	15	F608	J10	R219	L4	R2G7	N2	R410	K10	R505	17	TP343	M4
C261	11	C309	19	C506	15	F609	O7	R220	L4	R2G9	M2	R411	K10	R506	16	TP344	M5
C262	J3	C314	J9	C507	16	F610	O7	R230	K3	R2M1	N5	R412	K10	R507	H10	TP345	M5
C263	J1	C316	L4	C508	J8	F611	O9	R231	K3	R2M2	N5	R413	K10	R508	H10	TP346	M5
C264	11	C317	19	C509	J8	F612	M11	R232	K4	R2M3	N5	R414	K11	R509	H10	TP347	M4
C265	13	C318	110	C510	J8	F613	M11	R233	J3	R2M5	N5	R415	K11	R510	19	TP348	L4
C272	K1	C319	J10	C511	J8	F614	N9	R234	J4	R2M6	N5	R416	K10	R514	K9	TP349	L4
C273	L1	C320	J10	C512	J8	F615	O10	R235	J3	R2M7	N5	R417	K10	R515	K9	TP363	14
C274	L1	C3F1	14	C513	J8	F616	N10	R236	J4	R2M8	N5	R418	K10	R516	K9	TP365	L5
C278	L3	C3F2	J5	C514	18	IC201	K2	R237	J3	R2M9	N5	R419	K11	R517	K8	TP366	L4
C279	L3	C401	J10	C515	18	IC203	12	R239	J1	R2N0	N5	R420	K11	R518	K8	TP367	L5
C280	L3	C402	K10	C516	18	IC206	L2	R240	J1	R2N1	N5	R428	K8	R519	K8	TP369	M4
C281	L3	C403	K10	C517	18	IC2A1	N2	R241	J1	R2N2	N5	R429	K9	R520	K8	TP501	18
C284	11	C404	K10	C518	18	IC2A2	L1	R242	J1	R2N3	N5	R430	K9	R521	14	TP506	16
C285	L3	C405	K8	C519	17	IC2A4	O2	R243	J1	R2N4	N5	R431	K8	R522	16	TP513	K6
C286	L3	C406	K9	C520	17	IC2M1	N6	R252	L3	R2N5	N5	R432	K9	R523	15	TP514	K7
C287	L2	C408	K9	C521	17	IC301	L5	R273	L3	R2N6	N6	R433	K9	R524	07	TP516	K6
C288	L1	C409	K9	C522	17	IC305	J9	R274	L3	R2N7	N6	R434	K9	R525	J8	TP517	K6
C290	L2	C410	K10	C523	16	IC3F1	J4	R275	L3	R2N8	N7	R435	K9	R530	L8	TP518	K6
C291	L2	C411	K10	C525	16	IC401	K9	R276	L3	R2N9	N7	R436	L9	R531	07	TP519	K4
C292	L2	C412	K11	C526	16	IC402	K10	R277	L3	R2P0	N6	R451	L9	R532	07	TP521	K6
C293	12	C413	K11	C527	J6	IC451	M9	R278	K1	R2P1	N7	R452	L9	R533	07	TP522	K4
C294	J2	C414	K9	C528	J6	IC452	N10	R279	K1	R2P2	N6	R453	L9	R534	06	TP525	K7
C295	13	C415	K11	C529	J6	IC453	M10	R281	J1	R2P3	N6	R454	L9	R535	07	TP526	K3
C296	J3	C416	K10	C530	J6	IC454	N8	R282	L2	R2P7	N6	R455	L8	R541	L8	TP530	K3
C2A0	M1	C417	K10	C531	K7	IC501	J7	R290	J3	R2P8	N6	R456	L8	R588	H6	TP533	K3
C2A3	M2	C418	K11	C532	K7	IC502	M8	R291	L2	R2P9	N6	R457	N10	R589	H6	TP536	K6
C2A4	M2	C419	K11	C533	K7	IC503	L8	R292	K3	R2Q1	N5	R458	N9	R590	H6	X201	L2
C2A5	M2	C420	K11	C534	K7	IC506	H5	R2A0	M3	R2R1	L7	R459	N9	R591	H6	X501	H7
C2A6	M3	C421	L11	C535	K7	IC601	111	R2A1	L7	R2R2	L6	R460	N10	R597	K5	ZD605	K12
C2A7	M2	C422	K9	C536	K8	IC602	111	R2A2	M3	R302	L4	R461	N10	R601	J11	ZD606	K11
C2A8	M2	C423	K10	C538	H6	JK601	M2	R2A6	M2	R303	L4	R462	N10	R603	J11	ZD611	M11
C2A9	M2	C424	K9	C539	16	L201	L3	R2A9	O1	R306	M5	R463	N10	R604	J11	ZD612	M11
C2B0	M3	C450	M9	C540	17	L203	J1	R2B0	N3	R307	M5	R464	L9	R605	L10	ZD635	O11
C2B3	M2	C451	L9	C541	17	L206	11	R2B1	N3	R308	M5	R465	N10	R606	L10	ZD636	O11
C2B4	M2	C452	M8	C542	M8	L207	L1	R2B2	N3	R309	M5	R466	N10	R607	L9	ZD637	N11
C2B5	M2	C453	M9	C543	17	L2A1	N1	R2B3	N3	R310	M5	R467	N9	R608	L10	ZD638	N11
C2B8	O2	C454	L9	C544	M8	L2A2	M7	R2B4	N3	R314	L5	R468	N9	R609	L10	ZD641	L11
C2B9	N1	C455	N10	C546	L8	L301	M6	R2B5	N2	R315	M5	R469	N9	R610	N9	ZD642	L11
C2C1	N2	C456	N10	C549	O7	L302	19	R2B6	N2	R317	M5	R470	N9	R611	N9	ZD643	M11
C2C2	N3	C457	N10	C550	O6	LC2A2	14	R2B7	N2	R318	M4	R471	M9	R612	M10	ZD644	M11
C2C3	N2	C458	N10	C551	O7	L502	16	R2B8	N3	R319	M4	R472	O10	R613	M10		

TP202	F1
TP206	E2
TP212	E3
TP213	E3
TP214	E3
TP233	D2
TP234	C2
TP240	E3
TP241	E2
TP245	G2
TP260	G1
TP265	E3
TP268	E4
TP2A1	C1
TP2A2	E1
TP2A3	E1
TP2A6	B1
TP2A7	B2
TP2T2	F2
TP303	F5
TP304	F4
TP305	F5
TP306	F4
TP307	F5
TP308	F4
TP309	F5
TP310	F4
TP311	F5
TP312	F5
TP313	F5
TP314	F4
TP315	F5
TP316	F5
TP317	F5
TP318	E5
TP319	E4
TP320	F4
TP322	E4
TP323	F4
TP324	F4
TP325	F4
TP326	F4
TP327	F4
TP328	F4
TP329	F4
TP330	F4
TP331	F4
TP332	F4
TP333	E4
TP334	D4
TP335	E4
TP336	D4
TP337	E4
TP338	D4
TP339	E5
TP340	E5
TP341	F5
TP342	E5
TP370	E5
TP509	G6
TP510	D4
TP511	E4
TP512	E4
TP515	E5
TP520	E4
TP523	E6
TP524	E6
TP527	E4
TP528	E4
TP529	F3
TP531	F4
TP532	F3
TP534	D3
TP535	D4
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TP541	G6

MEMO

Handwriting practice lines consisting of 28 horizontal dotted lines.

SECTION 4 MECHANISM OF VCR PART

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MECHANISM TROUBLESHOOTING GUIDE

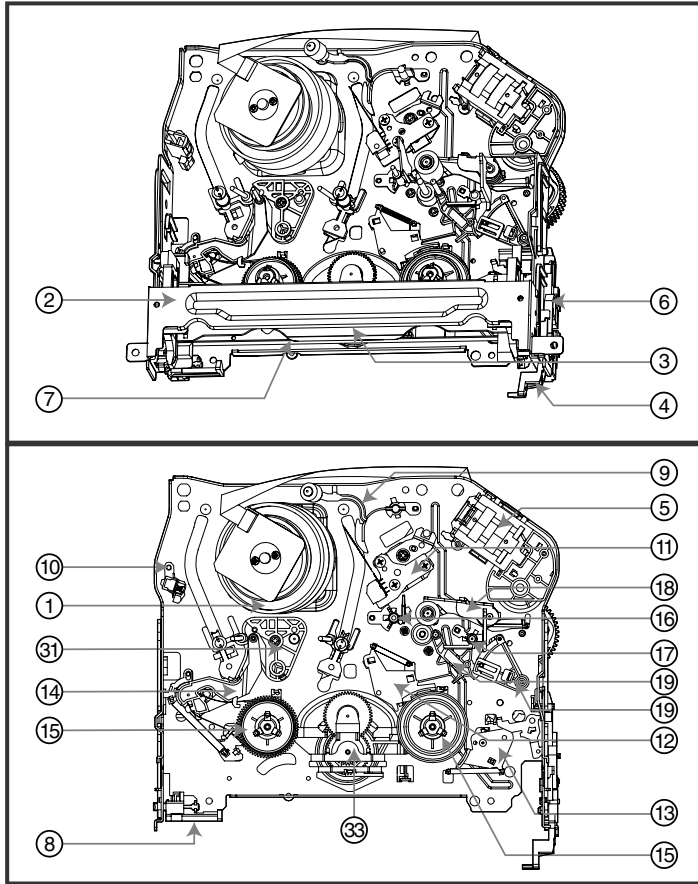
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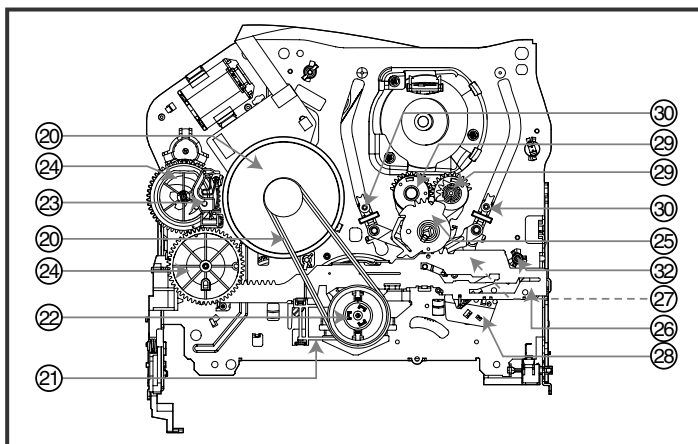
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DECK MECHANISM PARTS LOCATIONS

• Top View



• Bottom View



NOTE : When reassembly perform the procedure in the reverse order.

- 1) When reassembling, confirm Mechanism and Mode Switch Alignment Position (Pefer to Page 4-14)
- 2) When disassembling, the Parts for Starting No. Should be removed first.

Starting No.	Procedure	Part	Fixing Type	Figure	
	1	Drum Assembly	3 Screw	A-1	T
	2	Plate Assembly Top	2 Hook	A-2	T
2	3	Holder Assembly CST	Chassis Hole	A-2	T
2	4	Opener Door	Chassis Hole	A-2	T
	5	Bracket Assembly L/D Motor	3 Hook	A-2	T
2,3,4	6	Gear Assembly Rack F/L	1 Hook, Chassis Hole	A-2	T
2,3,4,6	7	Arm Assembly F/L	Chassis Hole	A-2	T
	8	Lever Assembly S/W	1 Hook	A-2	T
	9	Arm Assembly Cleaner	Chassis Embossing	A-3	T
	10	Head F/E	Chassis Embossing	A-3	T
	11	Base Assembly A/C Head	1 Screw	A-3	T
2,3	12	Brake Assembly RS	1 Hook	A-4	T
2,3	13	Brake Assembly T	1 Hook	A-4	T
2,3	14	Arm Assembly Tension	2 Hook	A-4	T
2,3,12,13, 14	15	Reel S/Reel T		A-4	T
	16	Base Assembly P4	Chassis Embossing	A-5	T
	17	Opener Lid	Chassis Embossing	A-5	T
17	18	Arm Assembly Pinch	Shaft	A-5	T
17	19	Lever T/Up / Arm T/Up	1 Hook	A-5	T
17,18	20	Belt Capstan/Motor Capstan	3 Screw	A-6	B
	21	Lever F/R	Locking Tab	A-6	B
20, 21	22	Clutch Assembly D35	Washer	A-6	B
	23	Break Assembly Capstan	Locking Tab	A-6	B
	24	Gear Drive/Gear Cam	Washer/Hook	A-7	B
	25	Gear Sector	1 Hook	A-7	B
20,21,23, 24,25	26	Plate Slider	Shaft Guide	A-7	B
20,21,23, 24,25,26	27	Lever Tension	1 Hook	A-7	B
2,3,14,20, 21,25,23, 24,26	28	Lever Spring	Locking Tab	A7	B
25	29	Gear Assembly P2/Gear Assembly P3	Boss	A-8	B
2,3,14,25, 29	30	Base Assembly P2/Base Assembly P3	Chassis Slot	A-8	B
2,3,14,25, 29	31	Base Loading	1 Screw	A-9	T
2,3,14	32	Base Tension	Chassis Embossing	A-9	B
2,3,20,21, 22	33	Arm Assembly Idler	Locking Tab	A-9	T

R: Top, B:Bottom

DECK MECHANISM DISASSEMBLY

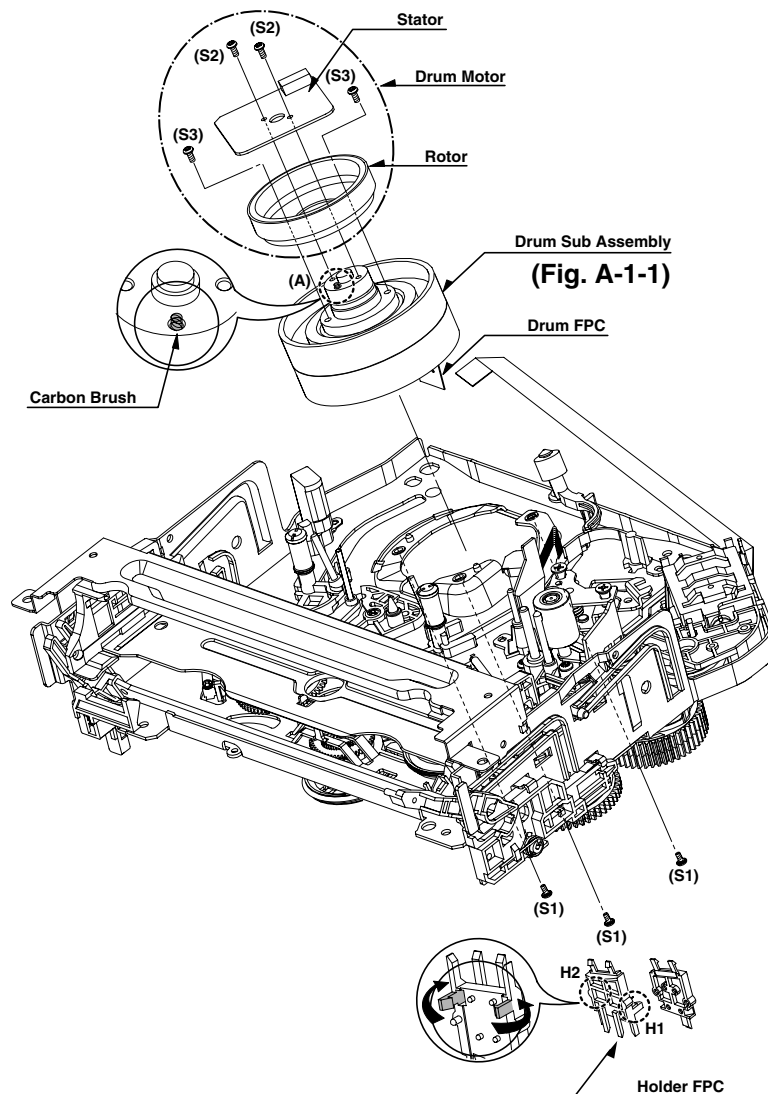


Fig. A-1

1. Drum Assembly (Fig. A-1-1)

- 1) Unplug the Drum FPC Connector.
- 2) Remove three Screws(S1) on bottom side and separate the Drum assembly.
- 3) Unhook (H1), (H2) and separate the Holder FPC and Cap FPC.

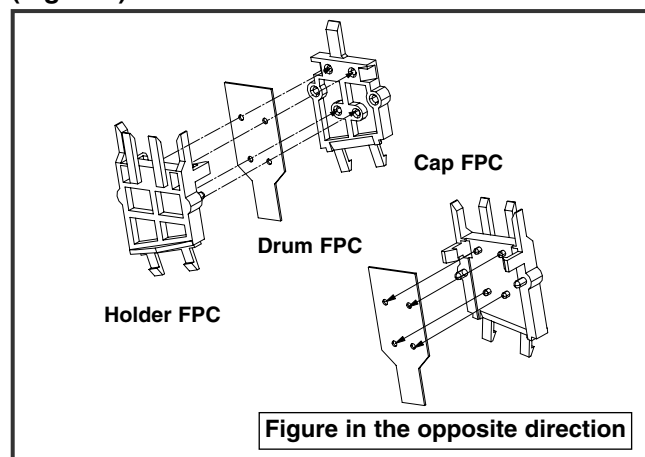
1-1. Drum Motor

- 1) Remove two Screws(S2) and disassemble the Stator of the Drum Motor.
- 2) Remove two Screws(S3) and separate the Rotor of the

NOTE

Drum Motor from the Drum Sub assembly.
When reassembling, confirm (A) portion of the Drum Sub assembly whether the Carbon Brush is in there or not.

(Fig. B-1)



DECK MECHANISM DISASSEMBLY

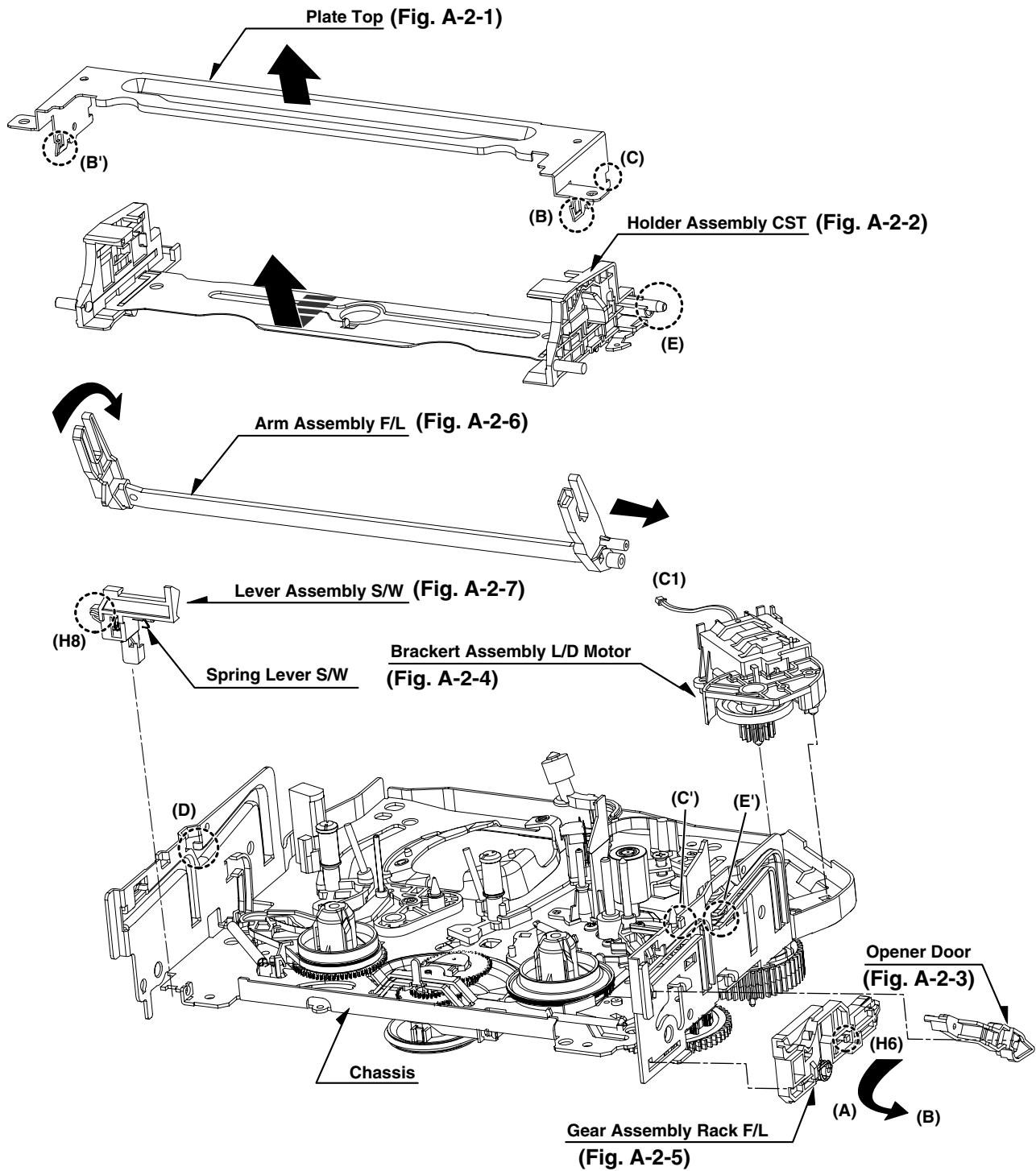


Fig. A-2

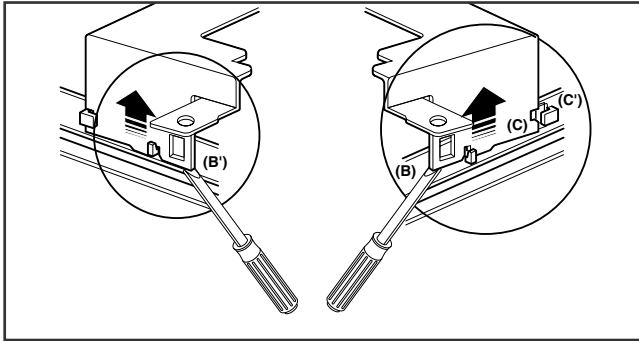
DECK MECHANISM DISASSEMBLY

2. Plate Top (Fig. A-2-1)

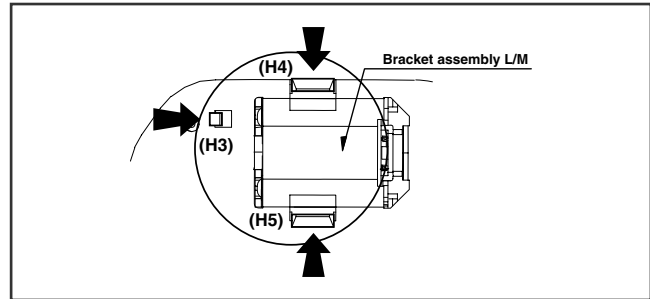
- 1) Pull the (B) portion of the Plate Top back in direction of arrow and separate the right side of it.
- 2) pull the (B') portion of the Plate Top back in direction of arrow and separate the left side of it.
(Used tools : (-) type Drive, anything tool with sharp point or flat point.)

NOTE

- (1) When reassembling, push the Plate Top after alignment the two position(C), (C') as Fig.



- 2) Unhook three Hooks(H3,H4,H5) on bottom side of the Chassis, lift up the Bracket assembly L/M and disassemble the Bracket assembly L/D Motor.

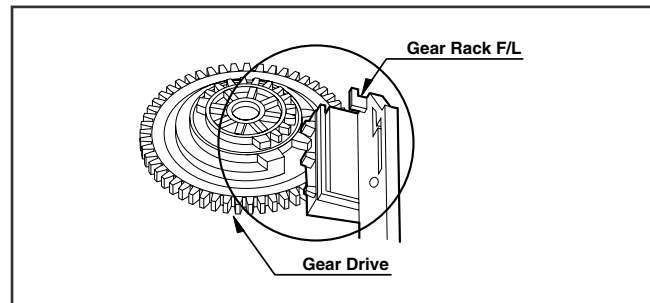


6. Gear Assembly Rack F/L (Fig. A-2-5)

- 1) Move the Gear Assembly Rack F/L in direction of arrow(A) and unhook the Hook(H6) pulling back in front.
- 2) Separate the Rear Rack F/L in direction of arrow(B).

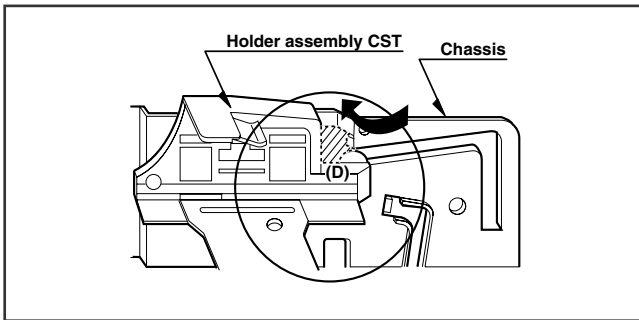
NOTE

When reassembling, align the Gear part of the Gear Assembly Rack F/L with the Gear Drive as below Fig.



3. Holder Assembly CST (Fig.A-2-2)

- 1) Move the Holder assembly CST in direction of arrow and separate the left side of it first through the (D) position of the Chassis.



- 2) Disassemble the right side of the Holder assembly CST from each guided hole of the Chassis.

NOTE

When reassembling, insert the (E) part of the Holder assembly CST in the (E') hole of the Chassis first and assemble the left side of it.

4. Opener Door (Figure. A-2-3)

- 1) Turn the Opener Door clockwise and remove it through the guide hole of the chassis.

5. Bracket assembly L/D Motor(Fig. A-2-4)

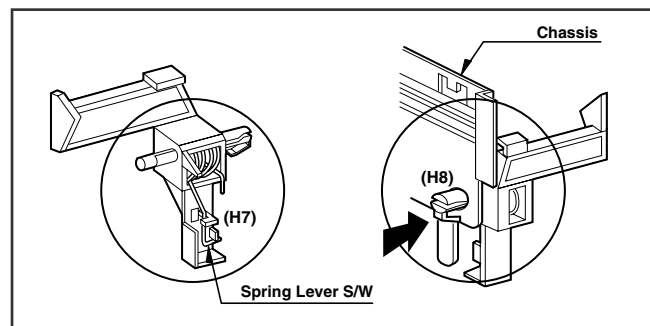
- 1) Unplug the Connector(C1).

7. Arm assembly F/L (Fig. A-2-6)

- 1) Move the Arm assembly F/L in direction of arrow and separate the left side of it first.
- 2) Disassemble the Arm assembly F/L from each guided Hole of the Chassis.

8. Lever assembly S/W(Fig. A-2-7)

- 1) Hook the Spring Lever S/W on the Hook(H7) first as below Fig.
- 2) Unhook the Hook(H8) in the left side of the Chassis and move the Lever assembly S/W.



DECK MECHANISM DISASSEMBLY

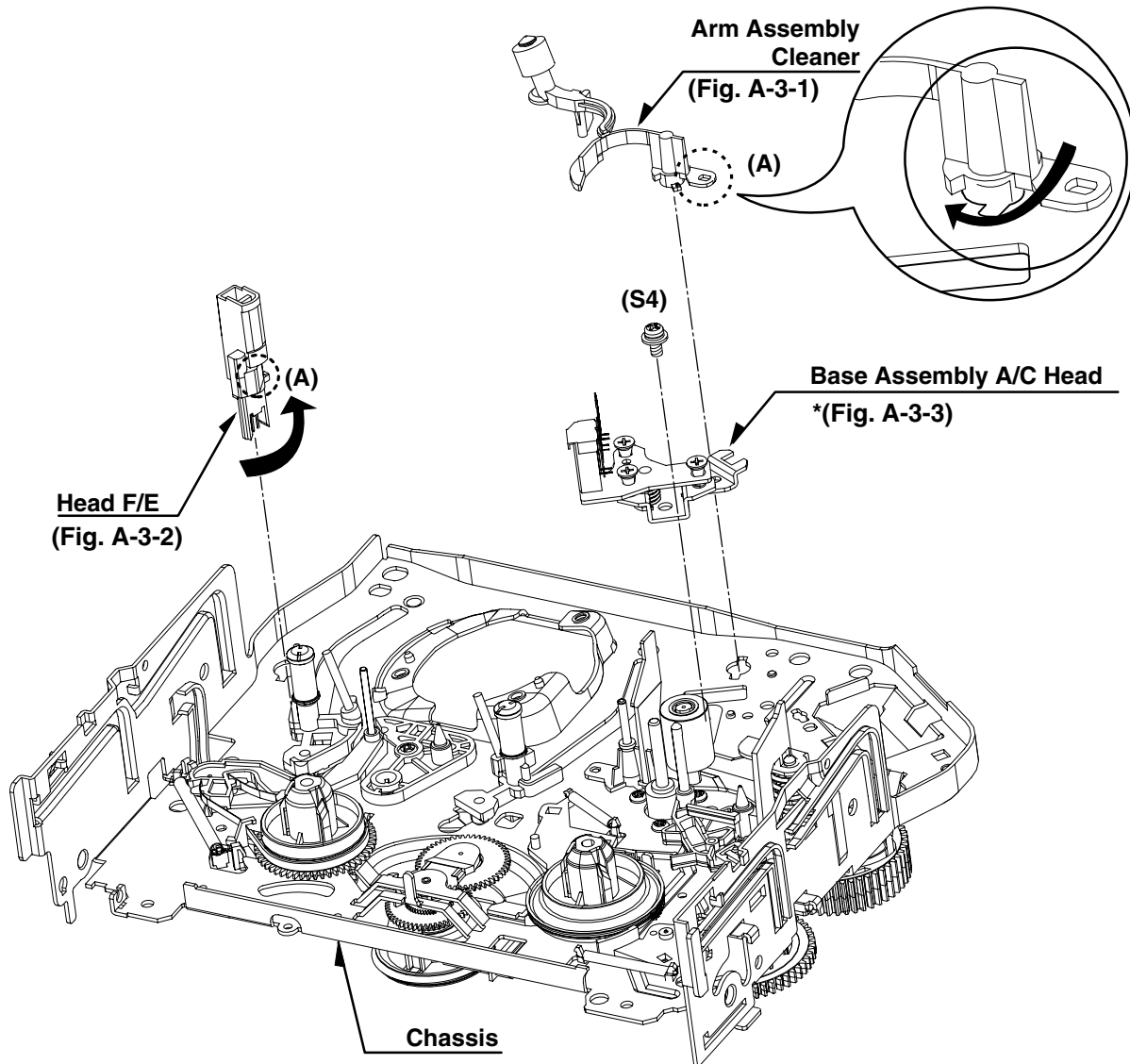


Fig. A-3

9. Arm assembly Cleaner (Fig. A-3-1)

- 1) Breakaway the (A) portion as Fig. A-3-1 from the Embossing of the Chassis, turn the Arm assembly Cleaner to clockwise direction and lift it up.

10. Head F/E (Fig. A-3-2)

- 1) Breakaway the (A) portion of the Head F/E from the Embossing of the Chassis, turn it to counterclockwise direction and lift it up.

11. Base assembly A/C Head (Fig. A-3-3)

- 1) Remove the Screw(S4) and lift the Base assembly A/C Head up.

DECK MECHANISM DISASSEMBLY

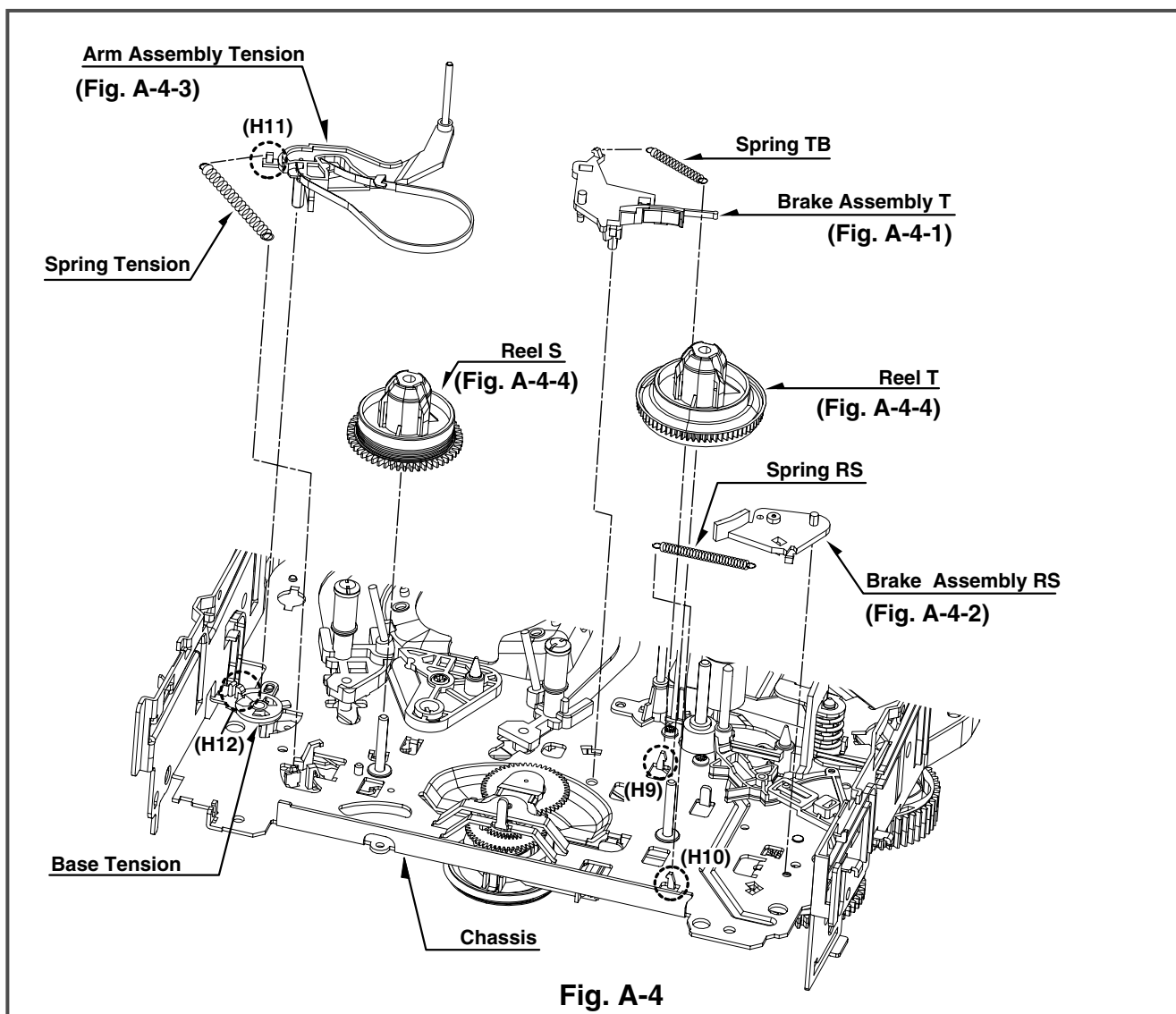


Fig. A-4

12. Brake assembly T (Fig. A-4-1)

- 1) Unhook the Spring TB from the Hook(H9) of the Chassis.
- 2) Lift the Brake assembly T up.

13. Brake assembly RS (Fig. A-4-2)

- 1) Unhook the Spring RS from the Hook(H10) of the Chassis..
- 2) Lift the Brake assembly T up.

14. Arm assembly Tension (Fig. A-4-3)

- 1) Unhook the Spring Tension from the Hook(H11) of the Arm assembly tension.
- 2) Unhook the Hook(H12) of the Base Tension and lift the Arm assembly Tension up.

NOTE

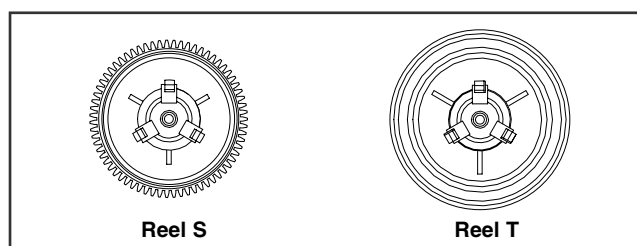
Difference for Springs

(Difference for Springs)

	Spring TB	
	Spring RS	Color (Black)
	Spring Tension	

15. Reel S / Reel T (Fig. A-4-4)

- 1) Difference for Reel S / Reel T



DECK MECHANISM DISASSEMBLY

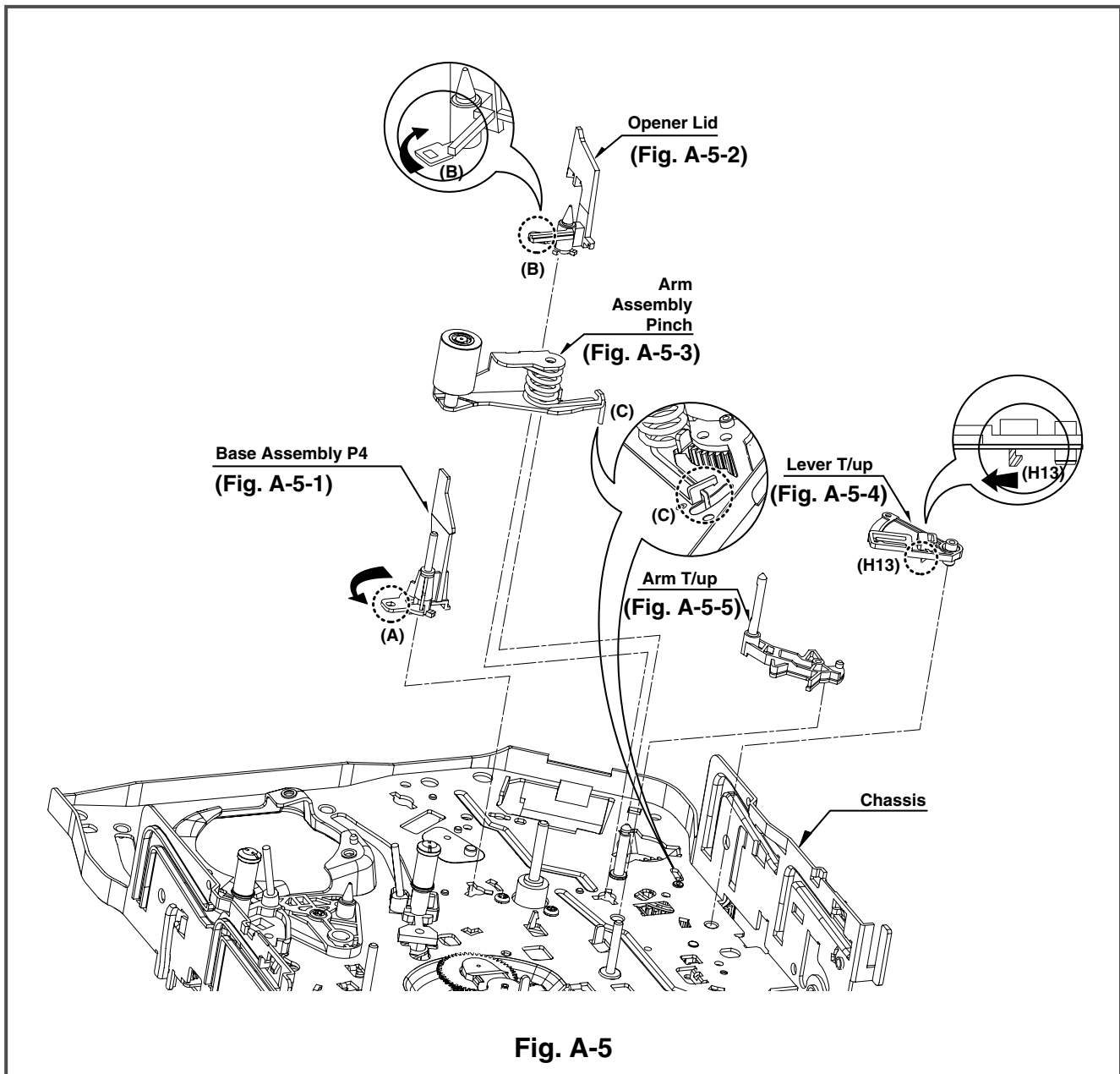


Fig. A-5

16. Base assembly P4 (Fig. A-5-1)

- 1) Breakaway the (A) portion of the Base assembly P4 from the Embossing of the Chassis.
- 2) Turn the Base assembly P4 to counterclockwise direction and lift it up.

17. Opener Lid (Fig. A-5-2)

- 1) Breakaway the (B) portion of the Opener Lid from the Embossing of the Chassis.
- 2) Turn the Opener Lid to clockwise direction and lift it up.

18. Arm assembly Pinch (Fig. A-5-3)

- 1) Lift the Arm assembly Pinch up.

19. Lever T/up (Fig. A-5-4)/ Arm T/up (Fig. A-5-5)

- 1) Unhook the Hook(H13) of the bottom Chassis and lift the Lever T/up up.
- 2) Lift the Arm T/up up.

NOTE

When reassembling, confirm the (C) portion of the Arm assembly Pinch is inserted to the Chassis Hole correctly as Fig.

Place the Mechanism face down, or up side down.

DECK MECHANISM DISASSEMBLY

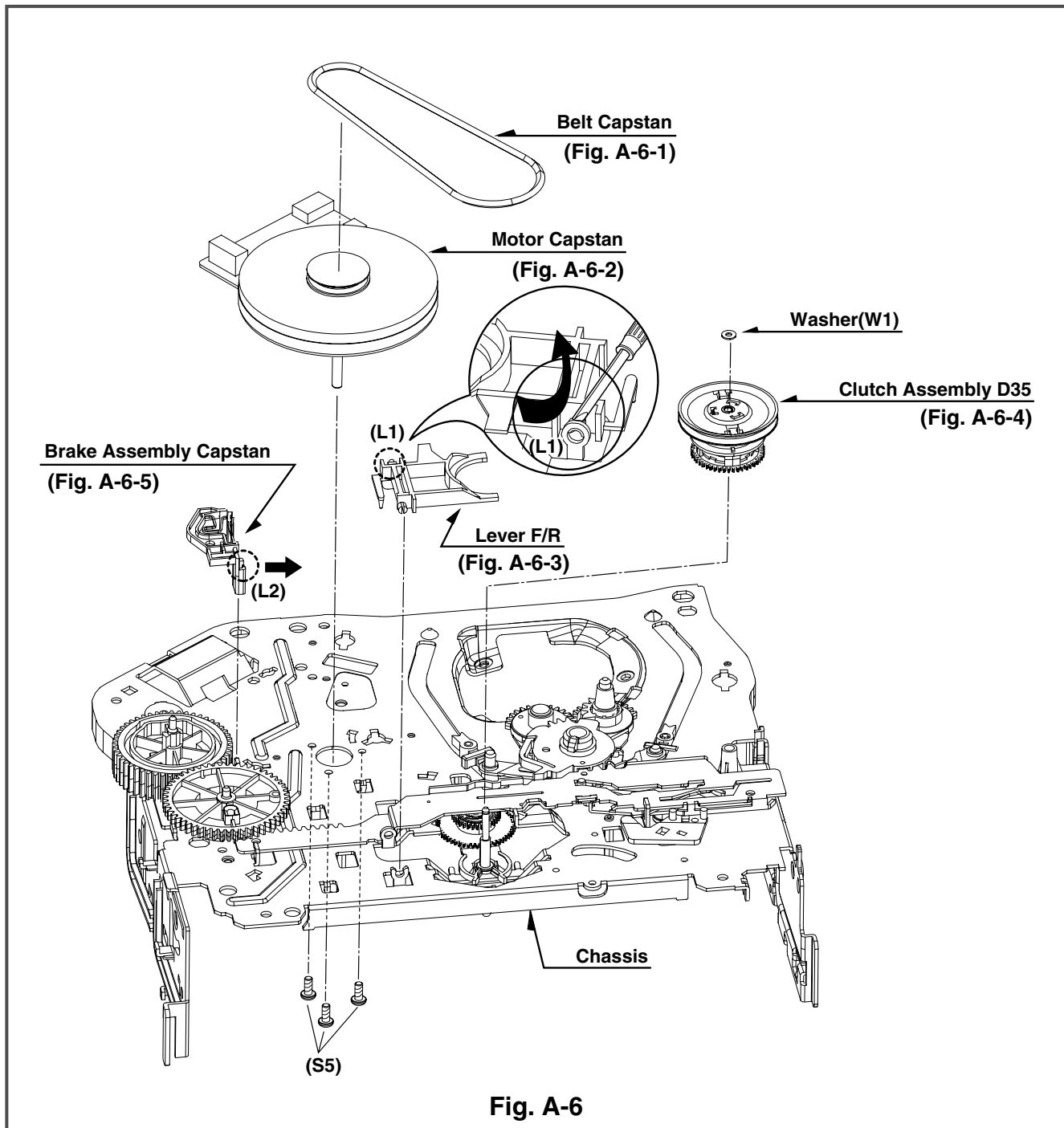


Fig. A-6

20. Belt Capstan (Fig. A-6-1)/ Motor Capstan (Fig. A-6-2)

- 1) Remove the Belt Capstan.
- 2) Remove the three Screws(S5) on bottom Chassis and lift the Motor Capstan up.

21. Lever F/R (Fig. A-6-3)

- 1) Unlock the Locking Tab(L1) as Fig. A-6-3 and lift the Lever F/R up.

22. Clutch assembly D35 (Fig. A-6-4)

- 1) Remove the Washer(W1) and lift the Clutch assembly D35 up.

23. Brake assembly Capstan (Fig. A-6-5)

- 1) Pull the Locking Tab(L2) back in direction of arrow and lift it up.

DECK MECHANISM DISASSEMBLY

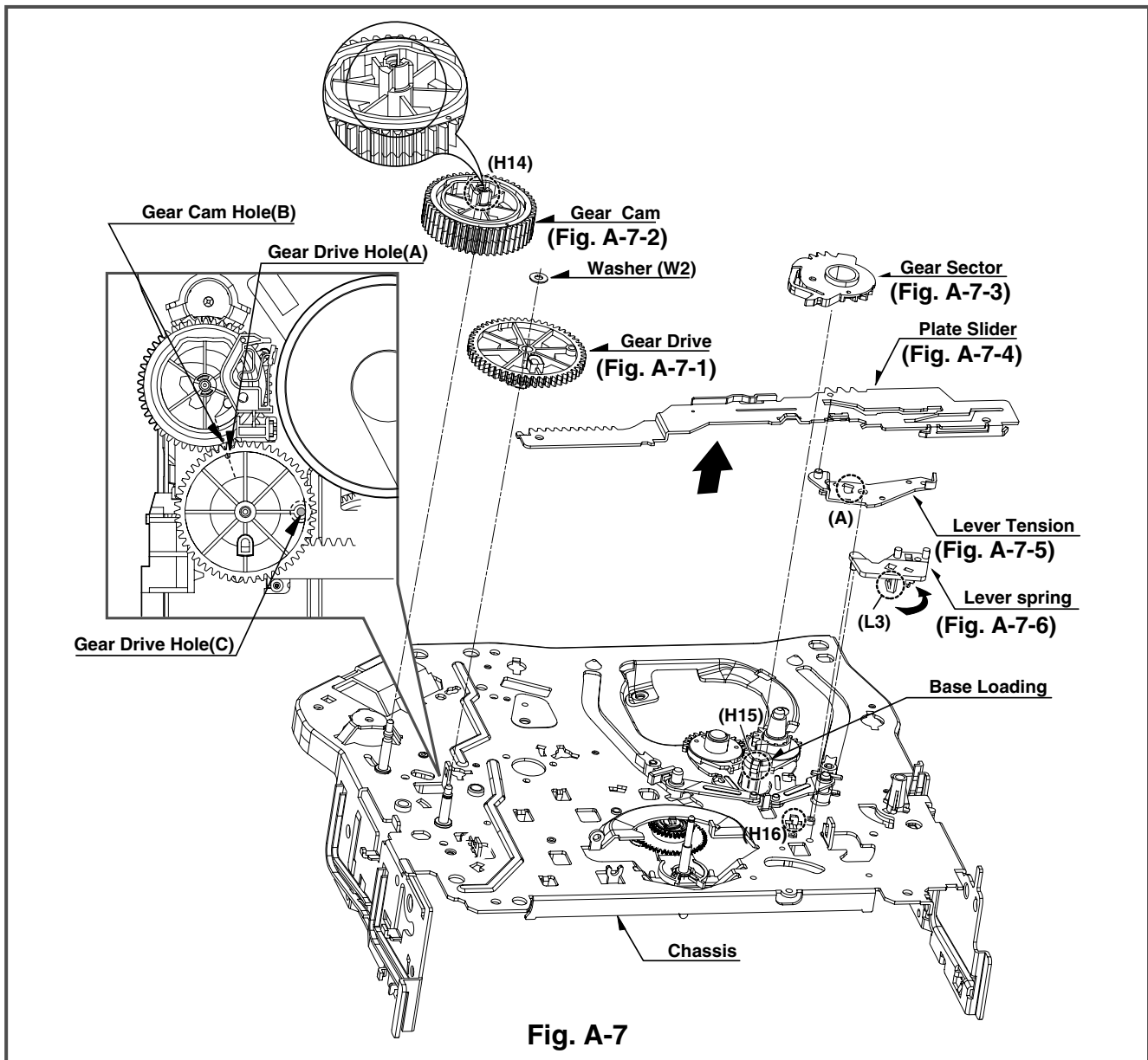


Fig. A-7

24. Gear Drive (Fig. A-7-1)/ Gear Cam (Fig. A-7-2)

- 1) Remove the Washer(W2) and lift the Gear Drive up.
- 2) Unhook the Hook(H14) of the Gear Cam and lift the Gear Cam up.

NOTE

When reassembling, align the Gear Drive Hole(A) and the Gear Cam Hole(B) in a straight line after the Gear Drive Hole(C) is aligned with the Chassis Hole as Fig.

25. Gear Sector (Fig. A-7-3)

- 1) Unhook the Hook(H15) of the Base Loading on bottom Chassis and lift the Gear Sector up.

26. Plate Slider (Fig. A-7-4)

- 1) Just lift the Plate Slider up.

27. Lever Tension (Fig. A-7-5)

- 1) Unhook the (A) portion of the Lever Tension from the Hook(H16) of the Chassis.
- 2) Turn the Lever Tension to counterclockwise direction and lift it up.

28. Lever Spring (Fig. A-7-6)

- 1) Unlock the Locking Tab(L3) of the bottom Chassis and lift the Lever Spring up.

DECK MECHANISM DISASSEMBLY

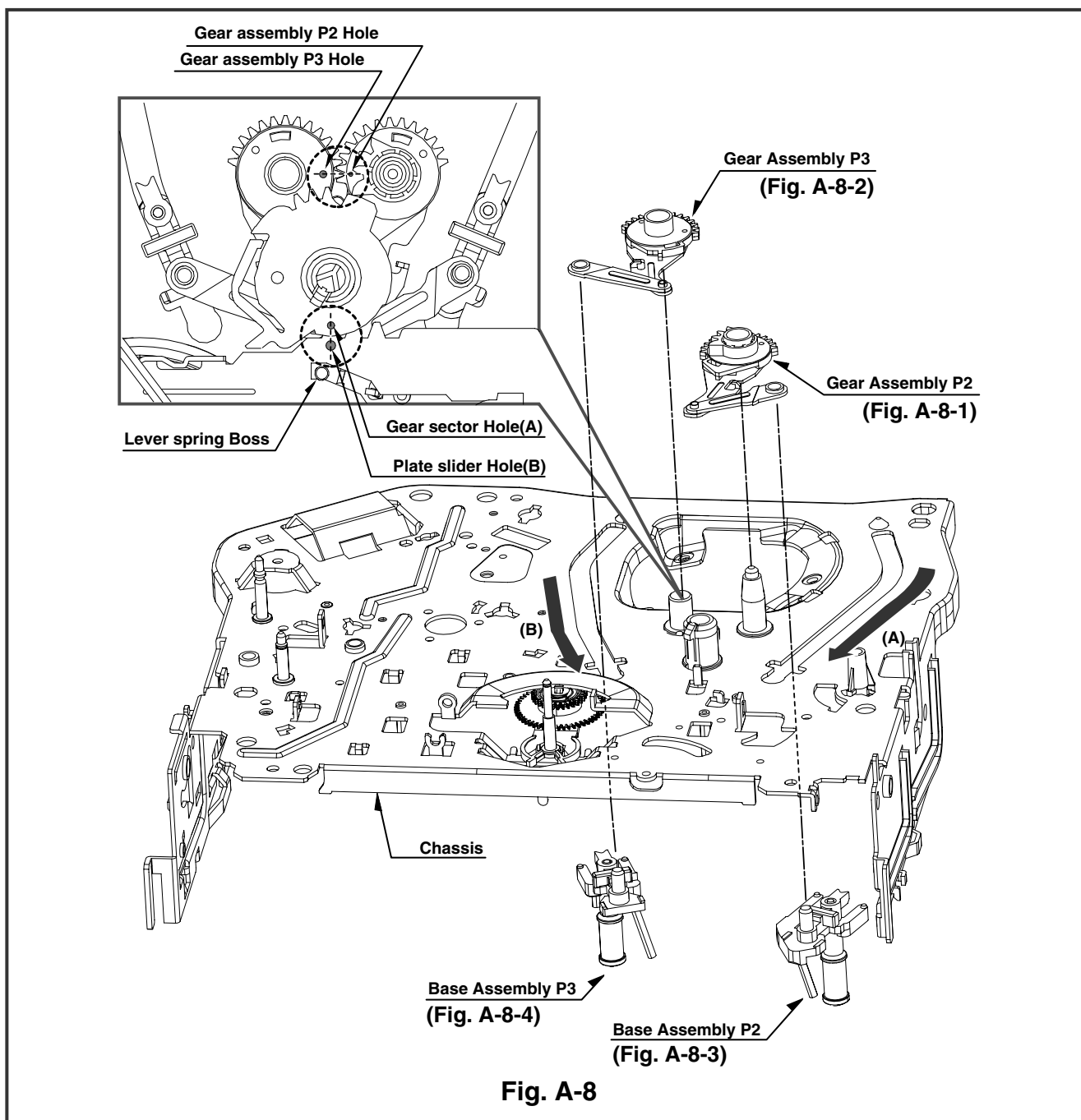


Fig. A-8

29. Gear assembly P2 (Fig. A-8-1)/ Gear assembly P3 (Fig. A-8-2)/

- 1) Just lift the Gear assembly P2 up.
- 2) Just lift the Gear assembly P3 up.

NOTE

When reassembling, align the two Holes of the Gear assembly P2 and P3 in a straight line after confirmation whether the Gear Sector Hole(A) and the Plate Slider Hole(B) are aligned or not as Fig.

30. Base assembly P2 (Fig. A-8-3)/ Base assembly P3 (Fig. A-8-4)

- 1) Move the Base assembly P2 in direction of arrow(A) along the Guided Hole of the Chassis and disassemble it on bottom side.
- 2) Move the Base assembly P3 in direction of arrow(B) along the Guided Hole of the Chassis and disassemble it on bottom side.

Place the Mechanism face down, or return to original position.

DECK MECHANISM DISASSEMBLY

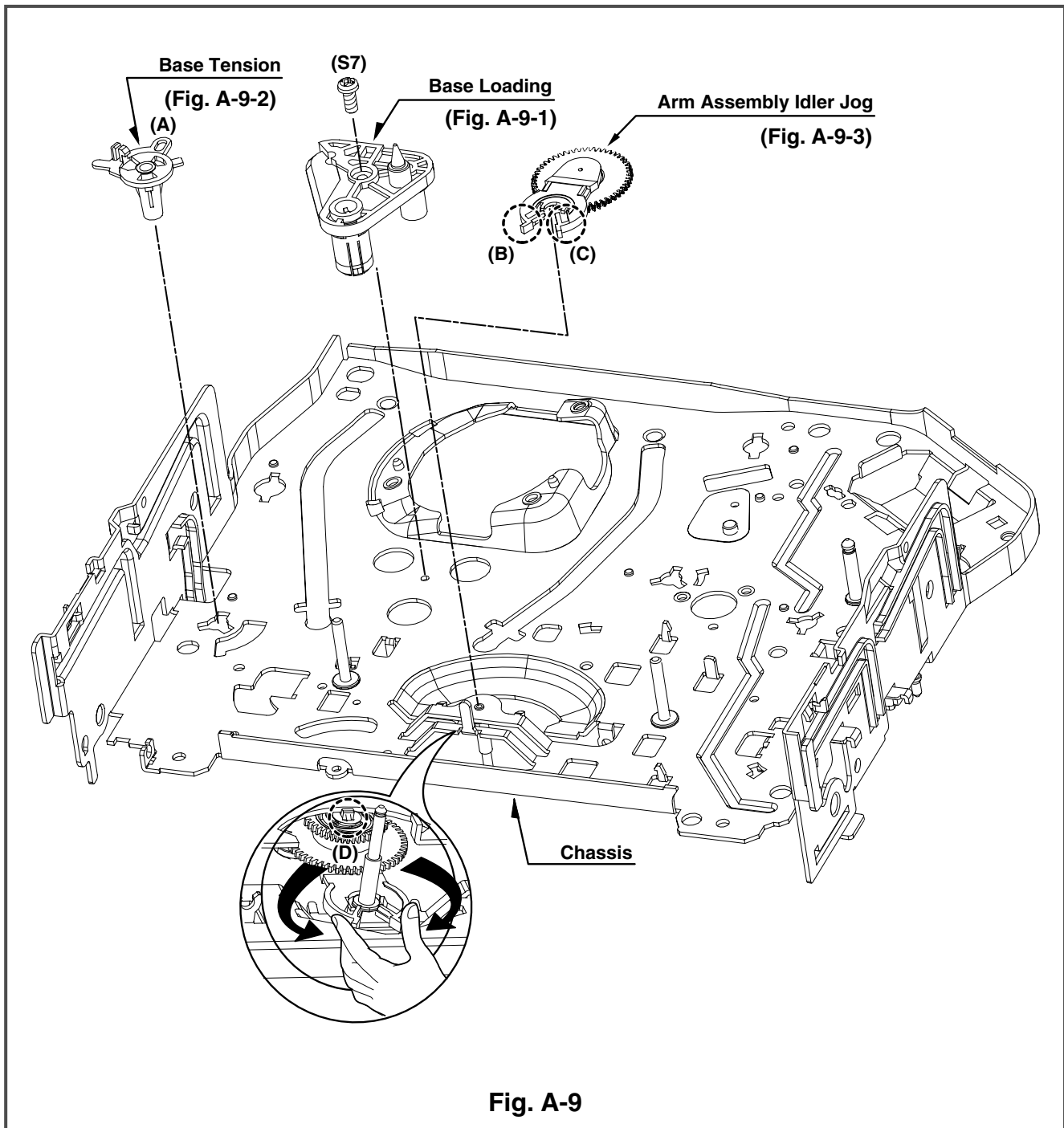


Fig. A-9

31. Base Loading (Fig. A-9-1)

- 1) Remove the Screw(S7).
- 2) Lift the Base Loading up.

32. Base Tension (Fig. A-9-2)

- 1) Breakaway the (A) portion of the Base Tension from the Embossing of the Chassis.
- 2) Turn the Base Tension to counterclockwise direction and lift it up.

33. Arm assembly Idler Jog(Fig. A-9-3)

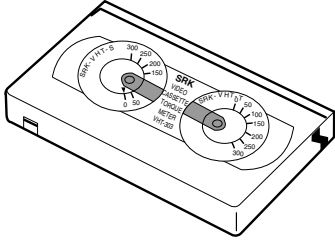
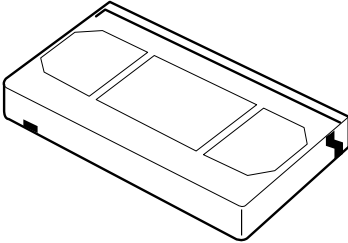
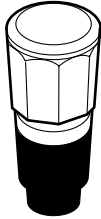
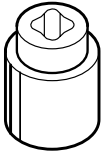
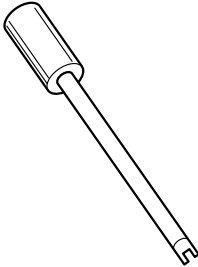
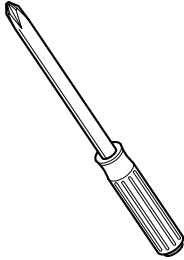
- 1) Make narrower the two parts, (A) and (B), as Fig. A-9-3.
- 2) Lift the Arm assembly Idler up.

NOTE

When disassembling, be careful not to be caught the (D) part by the Chassis as Fig. A-9.

DECK MECHANISM DISASSEMBLY

• Tools and Fixfures for Service

1. Cassette Torque meter SRK-VHT-303(Not SVC part) Parts No: D00-D006 	2. Alignment tape Parts No NTSC: DTN-001 PAL:DTN-0002 	3. Torque gauge 600g.Cm ATG Parts No:D00-D002 
4. Torque gauge adaptor Parts No:D09-R001 	5. Post height adjusting driver Parts No:DTL-0005 	6. + Type driver (ø 5) 

DECK MECHANISM ADJUSTMENT

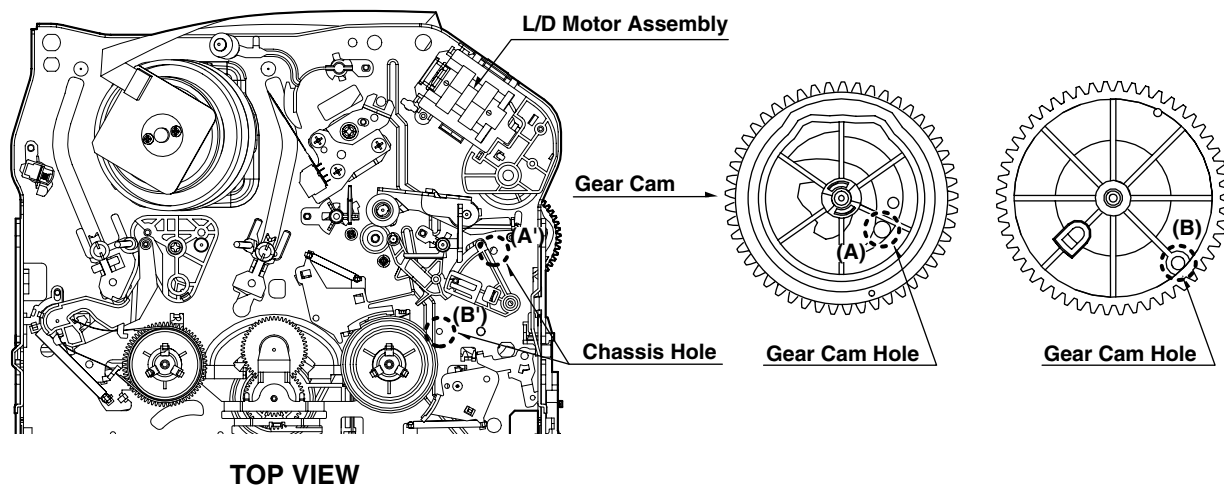
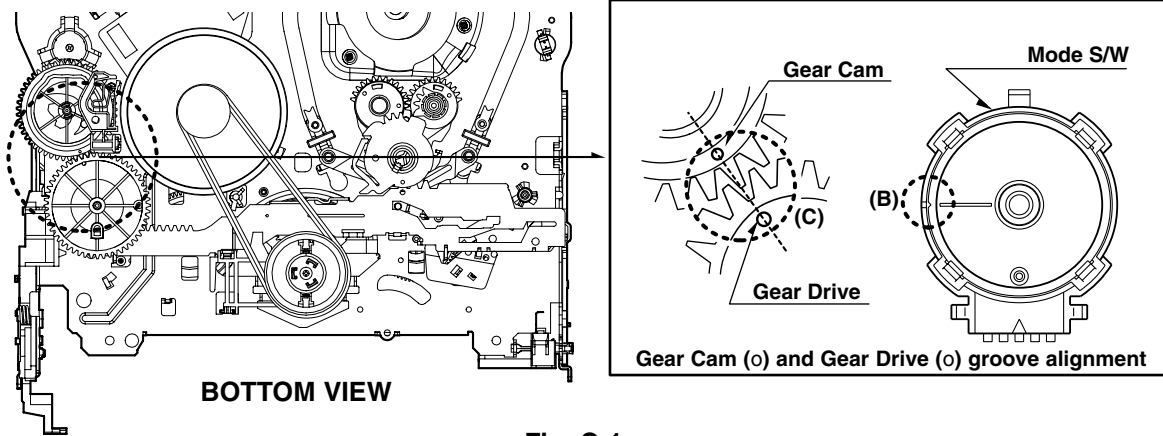
1.Mechanism Alignment Position Check

Purpose:To determine if the Mechanism is in the correct position, when a Tape is ejected.

Test Equipment/ Fixture	Test Conditions (Mechanism Condition)	Check Point
• Blank tape	• Eject Mode (with Cassette ejected)	• Mechanism and Mode Switch Position

- 1) Turn the Power S/W on and eject the Cassette by pressing the Eject Button.
- 2) Remove the Top Cover and Plate Assembly Top, visually check if the Gear Cam Hole is aligned with the Chassis Hole as below Fig. C-2.
- 3) IF not, rotate the Shaft of the Loading Motor to either Clockwise or Counterclockwise until the Alignment is as below Fig. C-2.
- 4) Remove the Screw which fixes the Deck Mechanism and Main Frame and confirm if the Gear Cam is aligned with the Gear Drive as below Fig. C-1(A).
- 5) Confirm if the Mode S/W on the Main P.C.Board is aligned as below Fig. C-1(B).
- 6) Remount the Deck Mechanism on the Main P.C.Board and check each operation.

CHECK DIAGRAM



DECK MECHANISM ADJUSTMENT

2. Preparation for Adjustment (To set the Deck Mechanism to the Loading state without inserting a Cassette Tape).

- 1) Unplug the Power Cord from the AC Outlet.
- 2) Disassemble the Top Cover and Plate Assembly Top.
- 3) Plug the Power Cord into the AC Outlet.
- 4) Turn the Power S/W on and push the Lever Stopper of the Holder Assembly CST to the back for Loading the

Cassette without Tape.

Cover the Holes of the End Sensors at the both sides of the Bracket Side(L) and Bracket Assembly Door to prevent a light leak.

Then The Deck Mechanism drives to the Stop Mode. In this case, The Deck Mechanism can accept inputs of each mode, however the Rewind and Review Operation can not be performed for more than a few seconds because the Take-up Reel Table is in the Stop State and can not be detected the Reel Pulses.

3. Checking Torque

Purpose: To insure smooth Transport of the Tape during each Mode of Operation.

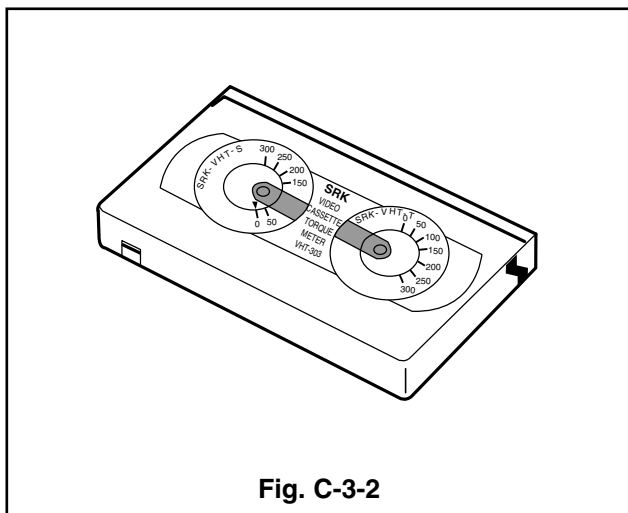
If the Tape Transport is abnormal, then check the Torque as indicated by the chart below.

Test Equipment/ Fixture		Test Conditions (Mechanism Condition)	Checking Method		
• Torque Gauge(600g/cm ATG) • Torque Gauge Adaptor • Cassette Torque Meter SRK-VHT-303		• Play (FF) or Review (REW) Mode	• Perform each Deck Mechanism Mode without inserting a Cassette Tape(Refer to above No.2 Preparation for Adjustment). • Read the Measurement of the Take-up or Supply Reels on the Cassette Torque Meter(Fig. C-3-2). • Attach the Torque Gauge Adaptor to the Torque Gauge and then read the Value of it(Fig. C-3-1).		
Item	Mode	Test Equipment	Measurement Reel	Measurement Values	
Fast Forward Torque	Fast Forward	Cassette Torque Gauge	Take-Up Reel	More than 400g/cm	
Rewind Torque	Rewind	Cassette Torque Gauge	Supply Reel	More than 400g/cm	
Play Take-Up Torque	Play	Cassette Torque Meter	Take-Up Reel	40~100g/cm	
Review Torque	Review	Cassette Torque Meter	Supply Reel	120~210g/cm	

NOTE:

The Values are measured by using a Torque Gauge and Torque Gauge Adaptor with the Torque Gauge affixed.

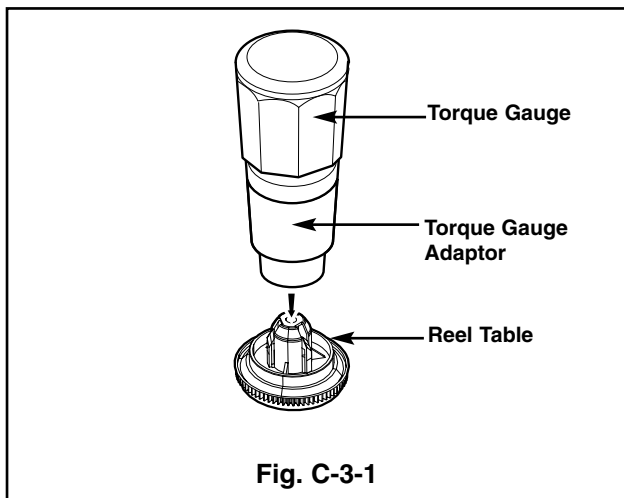
• Cassette Torque Meter (SRK-VHT-303)



NOTE:

The Torque reading to measure occurs when the Tape abruptly changes direction from Fast Forward of Rewind Mode, when quick bracking is applied to both Reels.

• Torque Gauge (600g.cm ATG)

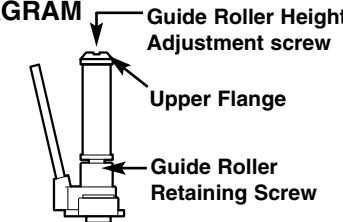


DECK MECHANISM ADJUSTMENT

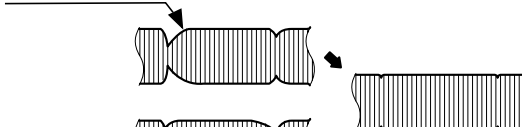
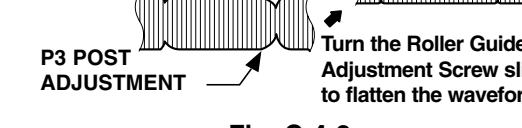
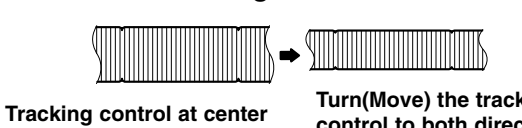
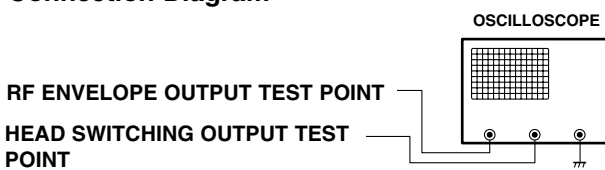
4. Guide Roller Height Adjustment

Purpose: To regulate the Height of the Tape so that the Bottom of the Tape runs along the Tape Guide Line on the Lower Drum.

4-1. Preliminary Adjustment

Test Equipment/ Fixture	Test Conditions (Mechanism Condition)	Adjustment Point
• Post Height Adjusting Driver	• Play or Review Mode	• Guide Roller Height Adjustment screws on the Supply and Take-Up Guide Rollers.
Adjustment Procedure 1) Confirm if the Tape runs along the Tape Guide Line of the Lower Drum. 2) If the Tape runs the Bottom of the Guide Line, turn the Guide Roller Height Adjustment Screw to Clockwise direction. 3) If it runs the Top, turn to Counterclockwise direction. 4) Adjust the Height of the Guide Roller to be guided to the Guide Line of the Lower Drum from the Starting and Ending Point of the Drum.		ADJUSTMENT DIAGRAM  Fig. C-4-1

4-2. Precise Adjustment

Test Equipment/Fixture	Test Equipment Connection Points	Test Conditions VCR(VCP) State	Adjustment Point
• Oscilloscope • Alignment Tape • Post Height Adjusting Driver	• CH-1:PB RF Envelope • CH-2:NTSC: SW 30Hz PAL: SW 25Hz • Head Switching Output Point • RF Envelope Output Point	• Play an Alignment Tape	• Guide Roller Height Adjustment Screws
Adjustment Procedure 1) Play an Alignment Tape after connecting the Probe of the Oscilloscope to the RF Envelope Output Test Point and Head Switching Output Test Point. 2) Tracking Control(in PB Mode) : Center Position(When this Adjustment is performed after the Drum Assembly has been replaced, set the Tracking Control so that the RF Output is Maximum). 3) Height Adjustment Screw : Flatten the RF Waveform. (Fig. C-4-2) 4) Turn(Move) the Tracking Control(in PB Mode) Clockwise and Counterclockwise.(Fig. C-4-3) 5) Check that any Drop of RF Output is uniform at the Start and End of the Waveform.		Waveform Diagrams P2 POST ADJUSTMENT  P3 POST ADJUSTMENT  Fig. C-4-2 Turn the Roller Guide Height Adjustment Screw slightly to flatten the waveform. Tracking control at center  Turn(Move) the tracking control to both directions Fig. C-4-3	
NOTE If the adjustment is excessive or insufficient the tape will jam or fold.		Connection Diagram 	

DECK MECHANISM ADJUSTMENT

5. Audio/Control (A/C) Head Adjustment

Purpose: To insure that the Tape passes accurately over the Audio and Control Tracks in exact Alignment in both the Record and Playback Modes.

5-1. Preliminary Adjustment (Height and Tilt Adjustment)

Perform the Preliminary Adjustment, when there is no Audio Output Signal with the Alignment Tape.

Test Equipment/ Fixture	Test Conditions (Mechanism Condition)	Adjustment Point
- Blank Tape - Screw Driver(+) Type 5mm	Play the blank tape	- Tilt Adjustment Screw(C) - Height Adjustment Screw(B) - Azimuth Adjustment Screw(A)

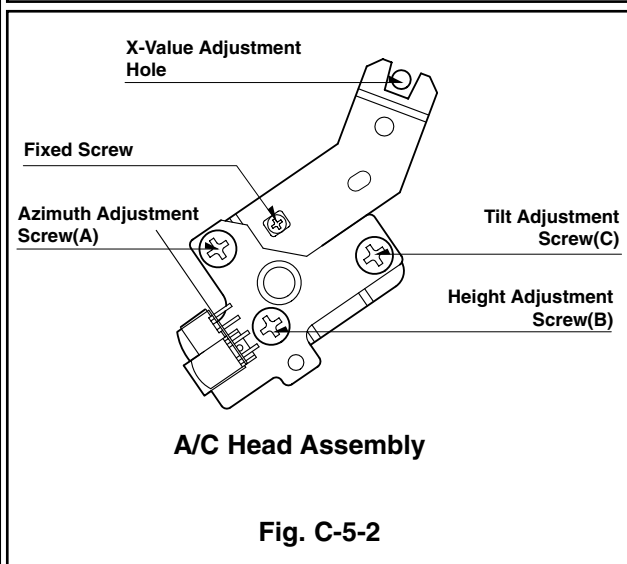
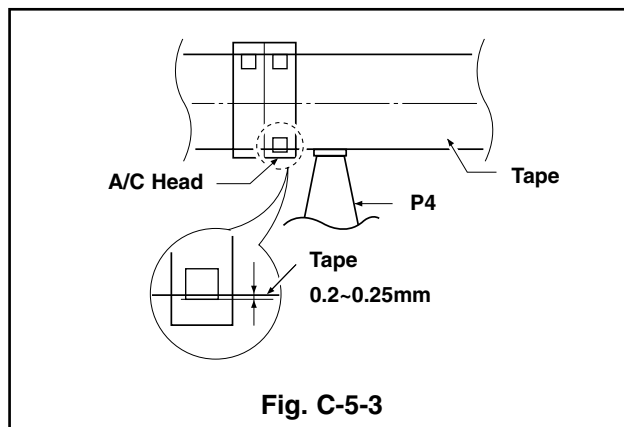
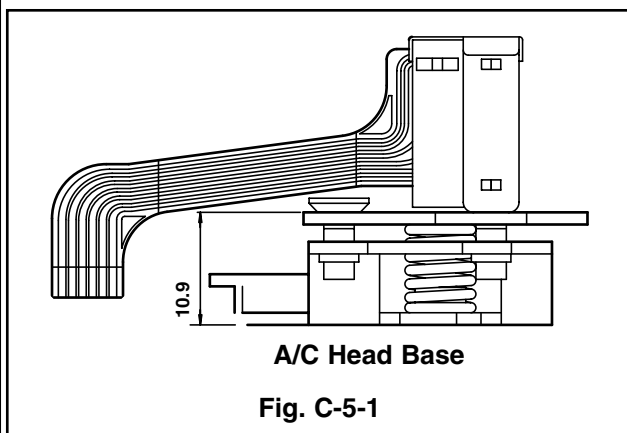
Adjustment Procedure/Diagrams

- Initially adjust the Base Assembly A/C Head as shown Fig. C-5-1 by using the Height Adjustment Screw(B).
- Play a Blank Tape and observe if the Tape passes accurately over the A/C Head without Tape Curling or Folding.
- If Folding or Curling is occurred then adjust the Tilt Adjustment Screw(C) while the Tape is running to resemble Fig. C-5-3.

- Reconfirm the Tape Path after Playback about 4~5 seconds.

NOTE

Ideal A/C head height occurs, when the tape runs between 0.2~0.25mm above the bottom edge of the A/C head core.



DECK MECHANISM ADJUSTMENT

5-2. Confirmation of Tape path between the Take-up Guide and Pinch Roller (using a Mirror or the naked eye).

- 1) After completing Step 5-1.(Preliminary Adjustment), check that the Tape passes around the Take-up Guide and Pinch Roller without Folding or Curling at the Top or Bottom.
 - (1) If Folding or Curling is observed at the Bottom of the Take-up Guide then slowly turn the Tilt Adjustment Screw(C) in the Clockwise direction.
 - (2) If Folding or Curling is observed at the Top of it then

slowly turn the Tilt Adjustment Screw(C) in the Counterclockwise direction.

NOTE:

Check the RF Envelope after adjusting the A/C Head, if the RF Waveform differs from Fig. C-5-4, performs Precise Adjustment to flat the RF Waveform.

5-3. Precise Adjustment (Azimuth adjustment)

Test Equipment/ Fixture	Connection Point	Test Conditions (Mechanism Condition)	Adjustment Point
- Oscilloscope - Alignment Tape(SP) - Screw Driver(+) Type 5mm	Audio output jack	Play an Alignment Tape 1KHz, 7KHz Sections	- Azimuth Adjustment Screw(A) - Height Adjustment Screw(B)
Adjustment Procedure - Connect the Probe of the Oscilloscope to Audio Output Jack. - Alternately adjust the Azimuth Adjustment Screw(A) and the Tilt Adjustment Screw(C) for Maximum Output of the 1Khz and 7Khz segments, while maintaining the flattest Envelope differential between the two Frequencies.			

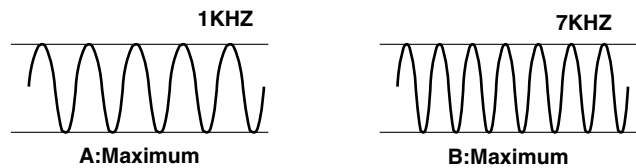


Fig. C-5-4

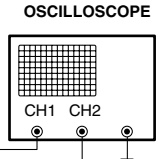
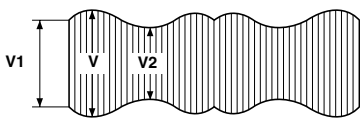
6. X-Value Adjustment

Purpose: To obtain compatibility with other VCR(VCP) Models.

Test Equipment/ Fixture	Connection Point	Test Conditions (Mechanism Condition)	Adjustment Point
- Oscilloscope - Alignment tape(SP only) - Screw Driver(+) Type 5mm	- CH-1: PB RF Envelope - CH-2: NTSC: SW 30Hz PAL: SW 25Hz - Head Switching Output Test Point - RF Envelope Output Test Point	Play an Alignment Tape	Left Groove at the Base A/C Right
Adjustment Procedure - Release the Automatic Tracking to run long enough for Tracking to complete it's Cycle. - Loosen the Fixed Mounting Screw and move the Base Assembly A/C Head in the direction as shown in the Diagram to find the center of the peak that allows for the maximum Waveform Envelope. This method should allow the 31um Head to be centrally located over the 58um Tape Track. - Tighten the Base Assembly A/C Head mounting Screw.		Adjustment Diagram	
		Connection Diagram	

DECK MECHANISM ADJUSTMENT

7. Adjustment after Replacing Drum Assembly (Video Heads)

Purpose: To correct for shift in the Roller Guide and X value after replacing the Drum.			
Test Equipment/ Fixture	Connection Point	Test Conditions (Mechanism Condition)	Adjustment Points
- Oscilloscope - Alignment tapes - Blank Tape - Post Height Adjusting Driver - Screw Driver(+) Type 5mm	- CH-1: PB RF Envelope - CH-2: NTSC: SW 30Hz PAL: SW 25Hz - Head Switching Output Test Point - RF Envelope Output Test Point	- Play the blank tape - Play an alignment tape	- Guide Roller Precise Adjustment - Switching Point - Tracking Preset - X-Value
Checking/Adjustment Procedure Play a blank tape and check for tape curling or creasing around the roller guide. If there is a problem then follow the procedure 4. "Guide Roller Height" and 5. "Audio Control(A/C) Head Adjustment".		Connection Diagram  Waveform $V1/V \text{ MAX} \leq 0.7$ $V2/V \text{ MAX} \leq 0.8$ RF ENVELOPE OUTPUT  Fig. C-7	

8. Check the Tape Travel after Reassembling Deck Assembly.

8-1. Checking Audio and RF Locking Time during playback and after CUE or REV (FF/REW)

Test Equipment/ Fixture	Specification	Connection Points	Test Conditions (Mechanism Condition)
- Oscilloscope - Alignment tapes(with 6H 3kHz Color Bar Signal) - Stop Watch	- RF Locking Time: Less than 5 sec. - Audio Locking Time: Less than 10sec	- CH-1: PB RF Envelope - CH-2: Audio Output - RF Envelope Output Point - Audio Output Jack	Play an alignment tape (with 6H 3kHz Color Bar Signal)
Checking Procedure Play an alignment tape then change the operating mode to CUE or REV and confirm if the unit meets the above listed specifications.		NOTES: - CUE is fast forward mode (FF) - REV is the rewind mode (REW) - Referenced to the Play mode	

8-2. Checking for tape curling or jamming

Test Equipment/ Fixture	Specification	Test Conditions (Mechanism Condition)
- E-240 Tape - E-180 Tape	Be sure there is no tape jamming or curling at the beginning, middle or end of the tape.	Run the CUE, REV play mode at the beginning and the end of the tape.
Checking Procedure - Confirm that the tape runs smoothly around the roller guides, drum and A/C head assemblies while abruptly changing operating modes from Play to CUE or REV. This is to be checked at the beginning, middle and end sections of the cassette. - Confirm that the tape passes over the A/C head assembly as indicated by proper audio reproduction and proper tape counter performance.		

MAINTENANCE/INSPECTION PROCEDURE

1 Check before starting repairs

The following faults can be remedied by cleaning and oiling. Check the needed lubrication and the conditions of cleanliness in the unit.

Check with the customer to find out how often the unit is used, and then determine that the unit is ready for inspection and maintenance. Check the following parts.

Phenomenon	Inspection	Replacement	
Color beats	Dirt on full-erase head	o	F/E Head
Poor S/N, no color	Dirt on video head	o	Video Head
Vertical or Horizontal jitter	Dirt on video head Dirt on tape transport system	o	
Low volume, Sound distorted	Dirt on Audio/control head	o	A/C Head
Tape does not run. Tape is slack	Dirt on pinch roller	o	Pinch Roller
	Dirt on belt capstan	o	Belt Capstan
In Review and Unloading (off mode), the Tape is rolled up loosely.	Clutch Assembly D33K Torque reduced	o	Clutch Assembly D33K
	Cleaning Drum and transport system	Fig. C-9-3	

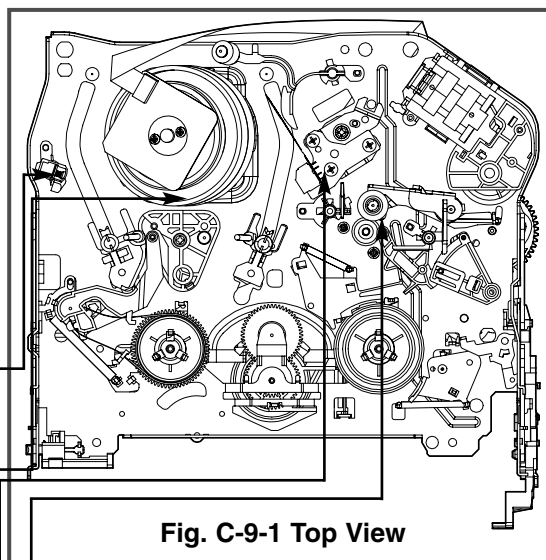


Fig. C-9-1 Top View

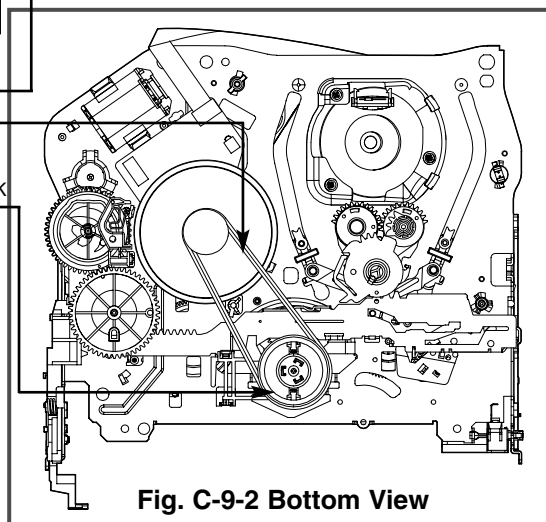


Fig. C-9-2 Bottom View

NOTE

If locations marked with **o** do not operate normally after cleaning, check for wear and replace.

See the EXPLODED VIEWS at the end of this manual as well as the above illustrations See the Greasing (Page 4-22) for the sections to be lubricated and greased.

* No. (1)~(13) Indicates the Tape Path to be traveled from Supply Reel to Take-up Reel.

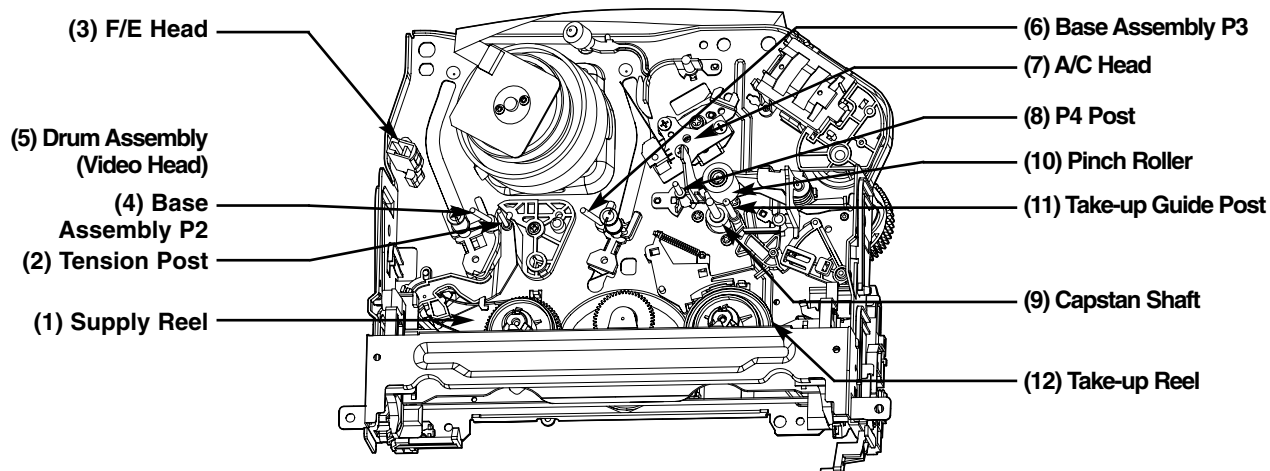


Fig. C-9-3 Tape Transport System

MAINTENANCE/INSPECTION PROCEDURE

2. Required Maintenance

The recording density of a VCR(VCP) is much higher than that of an audio tape recorder. VCR(VCP) components must be very precise, at tolerances of 1/1000mm, to ensure compatibility with other VCRs. If any of these components are worn or dirty, the symptoms will be the same as if the part is defective. To ensure a good picture, periodic inspection and maintenance, including replacement of worn out parts and lubrication, is necessary.

3. Scheduled Maintenance

Schedules for maintenance and inspection are not fixed because they vary greatly according to the way in which the customer uses the VCR(VCP), and the environment in which the VCR(VCP) is used.

But, in general home use, a good picture will be maintained if inspection and maintenance is made every 1,000 hours. The table below shows the relation between time used and inspection period.

Table 1

When inspection is necessary Average hours used per day	About 1 year	About 18 months	About 3 years
One hour			
Two hours			
Three hours			

4. Supplies Required for Inspection and Maintenance

- (1) Grease : Kanto G-311G (Blue) or equivalent
- (2) Isopropyl Alcohol or equivalent
- (3) Cleaning Patches
- (4) Grease : Kanto G-381 (Yellow)

5) Maintenance Procedure

5-1) Cleaning

- (1) Cleaning video head

First use a cleaning tape. If the dirt on the head is too stubborn to remove by tape, use the cleaning patch. Coat the cleaning patch with Isopropyl Alcohol. Touch the cleaning patch to the head tip and gently turn the head(rotating cylinder) right and left.

(Do not move the cleaning patch vertically. Make sure that only the buckskin on the cleaning patch comes into contact with the head. Otherwise, the head may be damaged.)

Thoroughly dry the head. Then run the test tape. If Isopropyl Alcohol remains on the video head, the tape may be damaged when it comes into contact with the head surface.

- (2) Clean the tape transport system and drive system, etc, by wiping with a cleaning patch wetted with Isopropyl Alcohol.

NOTES:

- ① It is the tape transport system which comes into contact with the running tape. The drive system consists of those parts which moves the tape.
- ② Make sure that during cleaning you do not touch the tape transport system with the tip of a screw driver and no that force is that would cause deforming or damage applied to the system.

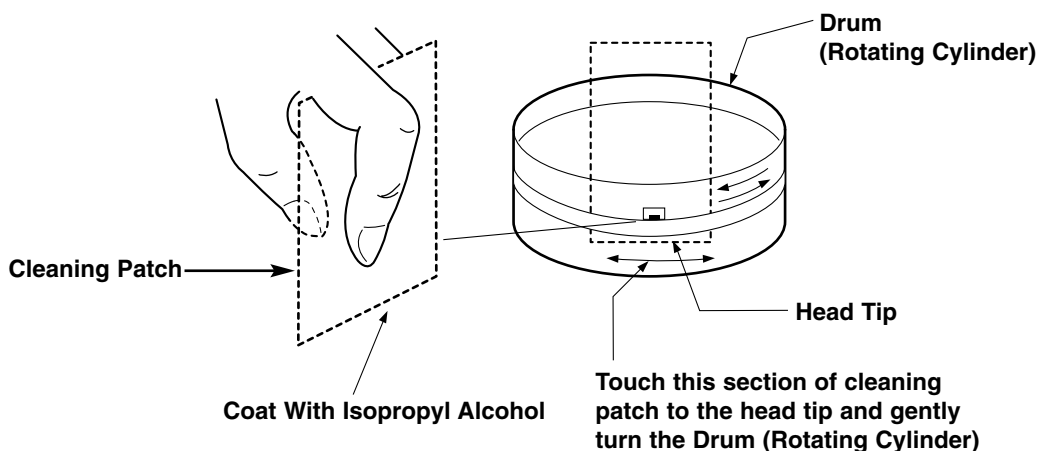


Fig. C-9-4

MAINTENANCE/INSPECTION PROCEDURE

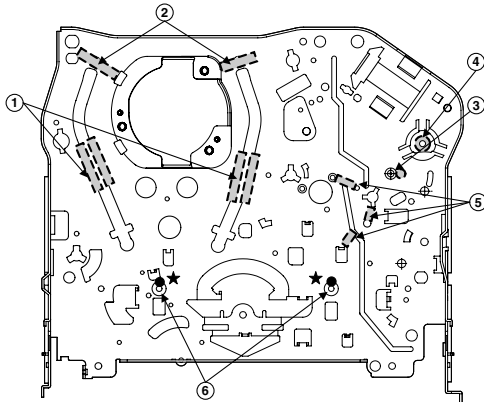
5-2) Greasing

(1) Greasing guidelines

Apply grease, with a cleaning patch. Do not use excess grease. It may come into contact with the tape transport or drive system. Wipe any excess and clean with cleaning patch wetted in Isopropyl Alcohol.

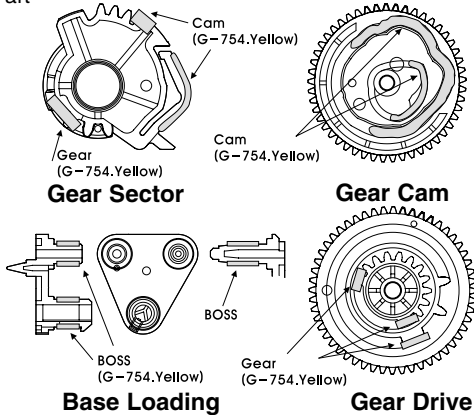
NOTE:Greasing Points

- | | |
|-----------------------------------|--|
| 1) Loading Path Inside & Top side | 6) Shaft |
| 2) Base Tension Boss inside Hole | 7) Arm Assembly F/L of Burning Inside Hole |
| 3) Arm Assembly F/L "U" Groove | 8) Reel S, T Shaft (G381:Yellow) |
| 4) Arm Take-up Rubbing Section | 9) Brake T Groove |
| 5) L/D Motor Gear Wheel Part | |



Chassis (Top)

Gear Part



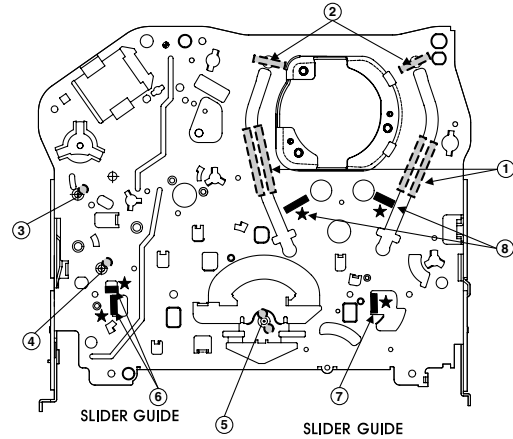
Bracket Side (L)

Bracket Assembly Door

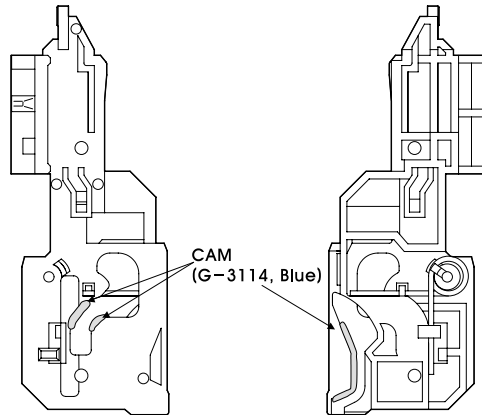
(2) Periodic greasing

Grease specified locations every 5,000 hours.

- | | |
|-----------------------------------|------------------------------|
| 1) Loading Path Inside & Top side | 5) Lever Tension Groove |
| 2) Shaft | 6) Clutch Assembly D33 Shaft |
| 3) Gear Rack F/L Moving Section | 7) Brake "S" Rubbing Section |
| 4) Shaft | |

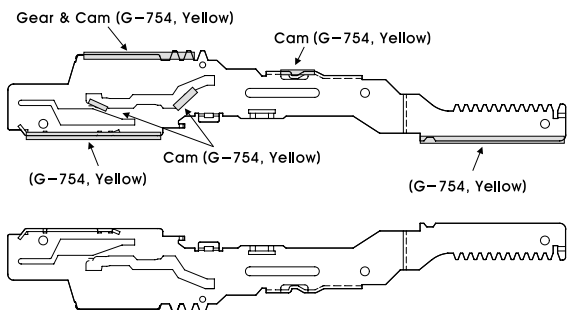


Chassis (Bottom)

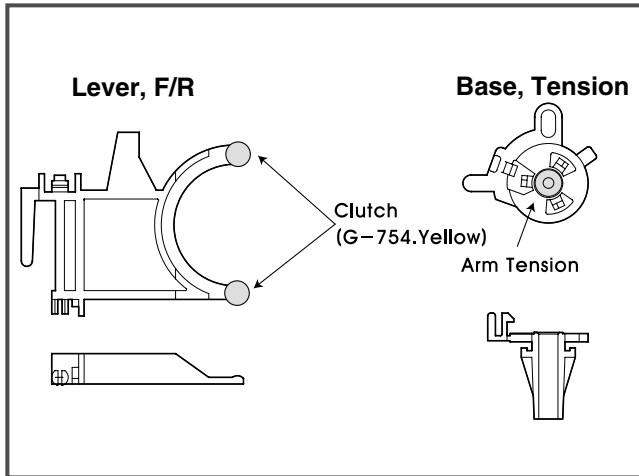


Guide Rack F/L

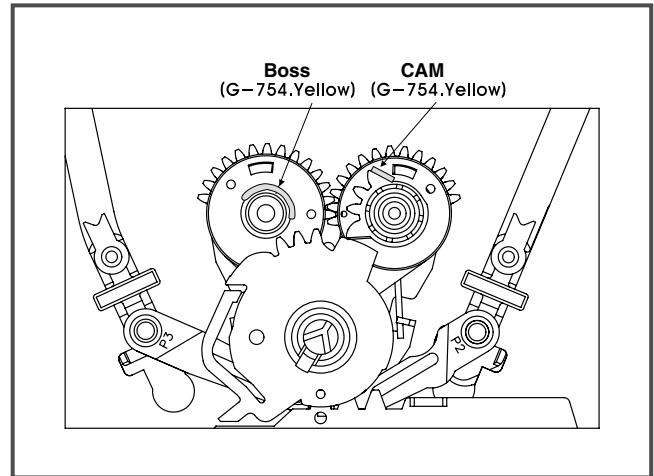
Gear Rack F/L



GEAR , F/R



GEAR AY, P2 & P3



SECTION 1

SUMMARY

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PRODUCT SAFETY SERVICING GUIDELINES FOR VIDEO PRODUCTS	1-3
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• INSULATION CHECKING PROCEDURE	
• ELECTROSTATICALLY SENSITIVE (ES) DEVICES	
SERVICE INFORMATION FOR EEPROM IC SETTING	1-5
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PRODUCT SAFETY SERVICING GUIDELINES FOR VIDEO PRODUCTS

CAUTION : DO NOT ATTEMPT TO MODIFY THIS PRODUCT IN ANY WAY. NEVER PERFORM CUSTOMIZED INSTALLATIONS WITHOUT MANUFACTURER'S APPROVAL. UNAUTHORIZED MODIFICATIONS WILL NOT ONLY VOID THE WARRANTY, BUT MAY LEAD TO YOUR BEING LIABLE FOR ANY RESULTING PROPERTY DAMAGE OR USER INJURY.

SERVICE WORK SHOULD BE PERFORMED ONLY AFTER YOU ARE THOROUGHLY FAMILIAR WITH ALL OF THE FOLLOWING SAFETY CHECKS AND SERVICING GUIDELINES. TO DO OTHERWISE, INCREASES THE RISK OF POTENTIAL HAZARDS AND INJURY TO THE USER.

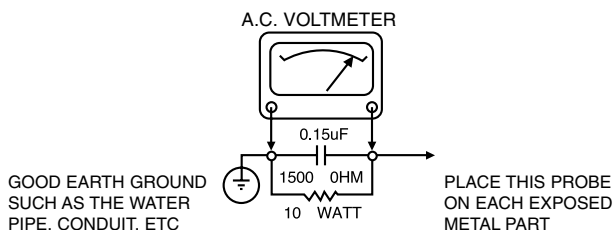
WHILE SERVICING, USE AN ISOLATION TRANSFORMER FOR PROTECTION FROM A.C. LINE SHOCK.

SAFETY CHECKS

AFTER THE ORIGINAL SERVICE PROBLEM HAS BEEN CORRECTED, A CHECK SHOULD BE MADE OF THE FOLLOWING.

SUBJECT : FIRE & SHOCK HAZARD

1. BE SURE THAT ALL COMPONENTS ARE POSITIONED IN SUCH A WAY AS TO AVOID POSSIBILITY OF ADJACENT COMPONENT SHORTS. THIS IS ESPECIALLY IMPORTANT ON THOSE MODULES WHICH ARE TRANSPORTED TO AND FROM THE REPAIR SHOP.
2. NEVER RELEASE A REPAIR UNLESS ALL PROTECTIVE DEVICES SUCH AS INSULATORS, BARRIERS, COVERS, SHIELDS, STRAIN RELIEFS, POWER SUPPLY CORDS, AND OTHER HARDWARE HAVE BEEN REINSTALLED PER ORIGINAL DESIGN. BE SURE THAT THE SAFETY PURPOSE OF THE POLARIZED LINE PLUG HAS NOT BEEN DEFEATED.
3. SOLDERING MUST BE INSPECTED TO DISCOVER POSSIBLE COLD SOLDER JOINTS, SOLDER SPLASHES OR SHARP SOLDER POINTS. BE CERTAIN TO REMOVE ALL LOOSE FOREIGN PARTICLES.
4. CHECK FOR PHYSICAL EVIDENCE OF DAMAGE OR DETERIORATION TO PARTS AND COMPONENTS. FOR FRAYED LEADS, DAMAGED INSULATION (INCLUDING A.C. CORD), AND REPLACE IF NECESSARY FOLLOW ORIGINAL LAYOUT, LEAD LENGTH AND DRESS.
5. NO LEAD OR COMPONENT SHOULD TOUCH A RECEIVING TUBE OR A RESISTOR RATED AT 1 WATT OR MORE. LEAD TENSION AROUND PROTRUDING METAL SURFACES MUST BE AVOIDED.
6. ALL CRITICAL COMPONENTS SUCH AS FUSES, FLAMEPROOF RESISTORS, CAPACITORS, ETC. MUST BE REPLACED WITH EXACT FACTORY TYPES. DO NOT USE REPLACEMENT COMPONENTS OTHER THAN THOSE SPECIFIED OR MAKE UNRECOMMENDED CIRCUIT MODIFICATIONS.
7. AFTER RE-ASSEMBLY OF THE SET ALWAYS PERFORM AN A.C. LEAKAGE TEST ON ALL EXPOSED METALLIC PARTS OF THE CABINET, (THE CHANNEL SELECTOR KNOB, ANTENNA TERMINALS, HANDLE AND SCREWS) TO BE SURE THE SET IS SAFE TO OPERATE WITHOUT DANGER OF ELECTRICAL SHOCK. DO NOT USE A LINE ISOLATION TRANSFORMER DURING THIS TEST USE AN A.C. VOLT-METER, HAVING 5000 OHMS PER VOLT OR MORE SENSITIVITY, IN THE FOLLOWING MANNER; CONNECT A 1500 OHM 10 WATT RESISTOR, PARALLELED BY A .15 MFD. 150.V A.C TYPE CAPACITOR BETWEEN A KNOWN GOOD EARTH GROUND (WATER PIPE, CONDUIT, ETC.) AND THE EXPOSED METALLIC PARTS, ONE AT A TIME. MEASURE THE A.C. VOLTAGE ACROSS THE COMBINATION OF 1500 OHM RESISTOR AND .15 MFD CAPACITOR. REVERSE THE A.C. PLUG AND REPEAT A.C. VOLTAGE MEASUREMENTS FOR EACH EXPOSED METALLIC PART. VOLTAGE MEASURED MUST NOT EXCEED 75 VOLTS R.M.S. THIS CORRESPONDS TO 0.5 MILLIAMPS A.C. ANY VALUE EXCEEDING THIS LIMIT CONSTITUTES A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED IMMEDIATELY.



SUBJECT: GRAPHIC SYMBOLS



THE LIGHTNING FLASH WITH APROWHEAD SYMBOL. WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE SERVICE PERSONNEL TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK.



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE SERVICE PERSONNEL TO THE PRESENCE OF IMPORTANT SAFETY INFORMATION IN SERVICE LITERATURE.

SUBJECT : X-RADIATION

1. BE SURE PROCEDURES AND INSTRUCTIONS TO ALL SERVICE PERSONNEL COVER THE SUBJECT OF X-RADIATION. THE ONLY POTENTIAL SOURCE OF X-RAYS IN CURRENT T.V. RECEIVERS IS THE PICTURE TUBE. HOWEVER, THIS TUBE DOES NOT EMIT X-RAYS WHEN THE HIGH VOLTAGE IS AT THE FACTORY SPECIFIED LEVEL. THE PROPER VALUE IS GIVEN IN THE APPLICABLE SCHEMATIC. OPERATION AT HIGHER VOLTAGES MAY CAUSE A FAILURE OF THE PICTURE TUBE OR HIGH VOLTAGE SUPPLY AND, UNDER CERTAIN CIRCUMSTANCES, MAY PRODUCE RADIATION IN EXCESS OF DESIRABLE LEVELS.
2. ONLY FACTORY SPECIFIED C.R.T. ANODE CONNECTORS MUST BE USED. DEGAUSSING SHIELDS ALSO SERVE AS X-RAY SHIELD IN COLOR SETS, ALWAYS RE-INSTALL THEM.
3. IT IS ESSENTIAL THAT SERVICE PERSONNEL HAVE AVAILABLE AN ACCURATE AND RELIABLE HIGH VOLTAGE METER. THE CALIBRATION OF THE METER SHOULD BE CHECKED PERIODICALLY AGAINST A REFERENCE STANDARD, SUCH AS THE ONE AVAILABLE AT YOUR DISTRIBUTOR.
4. WHEN THE HIGH VOLTAGE CIRCUITRY IS OPERATING PROPERLY THERE IS NO POSSIBILITY OF AN X-RADIATION PROBLEM. EVERY TIME A COLOR CHASSIS IS SERVICED, THE BRIGHTNESS SHOULD BE RUN UP AND DOWN WHILE MONITORING THE HIGH VOLTAGE WITH A METER TO BE CERTAIN THAT THE HIGH VOLTAGE DOES NOT EXCEED THE SPECIFIED VALUE AND THAT IT IS REGULATING CORRECTLY, WE SUGGEST THAT YOU AND YOUR SERVICE ORGANIZATION REVIEW TEST PROCEDURES SO THAT VOLTAGE REGULATION IS ALWAYS CHECKED AS A STANDARD SERVICING PROCEDURE. AND THAT THE HIGH VOLTAGE READING BE RECORDED ON EACH CUSTOMER'S INVOICE.
5. WHEN TROUBLESHOOTING AND MAKING TEST MEASUREMENTS IN A PRODUCT WITH A PROBLEM OF EXCESSIVE HIGH VOLTAGE, AVOID BEING UNNECESSARILY CLOSE TO THE PICTURE TUBE AND THE HIGH VOLTAGE SUPPLY. DO NOT OPERATE THE PRODUCT LONGER THAN IS NECESSARY TO LOCATE THE CAUSE OF EXCESSIVE VOLTAGE.
6. REFER TO HV. B+ AND SHUTDOWN ADJUSTMENT PROCEDURES DESCRIBED IN THE APPROPRIATE SCHEMATIC AND DIAGRAMS (WHERE USED).

SUBJECT: IMPLOSION

1. ALL DIRECT VIEWED PICTURE TUBES ARE EQUIPPED WITH AN INTEGRAL IMPLOSION PROTECTION SYSTEM, BUT CARE SHOULD BE TAKEN TO AVOID DAMAGE DURING INSTALLATION, AVOID SCRATCHING THE TUBE. IF SCRATCHED REPLACE IT.

2. USE ONLY RECOMMENDED FACTORY REPLACEMENT TUBES.

SUBJECT : TIPS ON PROPER INSTALLATION

1. NEVER INSTALL ANY PRODUCT IN A CLOSED-IN RECESS, CUBBY-HOLE OR CLOSELY FITTING SHELF SPACE. OVER OR CLOSE TO HEAT DUCT, OR IN THE PATH OF HEATED AIR FLOW.
2. AVOID CONDITIONS OF HIGH HUMIDITY SUCH AS: OUTDOOR PATIO INSTALLATIONS WHERE DEW IS A FACTOR, NEAR STEAM RADIATORS WHERE STEAM LEAKAGE IS A FACTOR, ETC.
3. AVOID PLACEMENT WHERE DRAPERIES MAY OBSTRUCT REAR VENTING. THE CUSTOMER SHOULD ALSO AVOID THE USE OF DECORATIVE SCARVES OR OTHER COVERINGS WHICH MIGHT OBSTRUCT VENTILATION.
4. WALL AND SHELF MOUNTED INSTALLATIONS USING A COMMERCIAL MOUNTING KIT. MUST FOLLOW THE FACTORY APPROVED MOUNTING INSTRUCTIONS A PRODUCT MOUNTED TO A SHELF OR PLATFORM MUST RETAIN ITS ORIGINAL FEET (OR THE EQUIVALENT THICKNESS IN SPACERS) TO PROVIDE ADEQUATE AIR FLOW ACROSS THE BOTTOM, BOLTS OR SCREWS USED FOR FASTENERS MUST NOT TOUCH ANY PARTS OR WIRING. PERFORM LEAKAGE TEST ON CUSTOMIZED INSTALLATIONS.
5. CAUTION CUSTOMERS AGAINST THE MOUNTING OF A PRODUCT ON SLOPING SHELF OR A TILTED POSITION, UNLESS THE PRODUCT IS PROPERLY SECURED.
6. A PRODUCT ON A ROLL-ABOUT CART SHOULD BE STABLE ON ITS MOUNTING TO THE CART. CAUTION THE CUSTOMER ON THE HAZARDS OF TRYING TO ROLL A CART WITH SMALL CASTERS ACROSS THRESHOLDS OR DEEP PILE CARPETS.
7. CAUTION CUSTOMERS AGAINST THE USE OF A CART OR STAND WHICH HAS NOT BEEN LISTED BY UNDERWRITERS LABORATORIES, INC. FOR USE WITH THEIR SPECIFIC MODEL OF TELEVISION RECEIVER OR GENERICALLY APPROVED FOR USE WITH T.V.'S OF THE SAME OR LARGER SCREEN SIZE.
8. CAUTION CUSTOMERS AGAINST THE USE OF EXTENSION CORDS, EXPLAIN THAT A FOREST OF EXTENSIONS SPROUTING FROM A SINGLE OUTLET CAN LEAD TO DISASTROUS CONSEQUENCES TO HOME AND FAMILY.

SERVICING PRECAUTIONS

CAUTION : Before servicing the VCR+DVD covered by this service data and its supplements and addends, read and follow the **SAFETY PRECAUTIONS**. **NOTE :** if unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions in this publications, always follow the safety precautions.

Remembers Safety First:

General Servicing Precautions

1. Always unplug the VCR+DVD AC power cord from the AC power source before:
 - (1) Removing or reinstalling any component, circuit board, module, or any other assembly.
 - (2) Disconnection or reconnecting any internal electrical plug or other electrical connection.
 - (3) Connecting a test substitute in parallel with an electrolytic capacitor.

Caution : A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Do not spray chemicals on or near this VCR+DVD or any of its assemblies.
3. Unless specified otherwise in this service data, clean electrical contacts by applying an appropriate contact cleaning solution to the contacts with a pipe cleaner, cotton-tipped swab, or comparable soft applicator. Unless specified otherwise in this service data, lubrication of contacts is not required.
4. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service manual might be equipped.
5. Do not apply AC power to this VCR+DVD and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
6. Always connect test instrument ground lead to the appropriate ground before connection the test instrument positive lead. Always remove the test instrument ground lead last.

Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power on. Connect an insulation resistance meter(500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts (Note 1) should be more than 1M-ohm.

Note 1 : Accessible Conductive Parts including Metal panels, Input terminals, Earphone jacks, etc.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field effect transistors and semiconductor chip components.

The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified a "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charge sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil, or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Normally harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

SERVICE INFORMATION FOR EEPROM IC SETTING

EEPROM option code No. setting

NAME	HEX	BINARY
OPT1	00	00000000
OPT2	00	00000000
OPT3	00	00000000
OPT4	00	00000000
OPT5	00	00000000
OPT6	00	00000000

WR : OK I : EXIT MOVE : ◀ ▶
EDIT : ▲ ▼

MASKROM : R00
EEPROM : R00 LG CODE

MODEL	NAME	HEX	BINARY
HV-DX1EV	FC	00	00000000
	61	00	00000000
	89	00	00000000
	E1	00	00000000
	31	00	00000000
	08	00	00000000
HV-DX1SP	FC	00	00000000
	61	00	00000000
	89	00	00000000
	F1	00	00000000
	54	00	00000000
	08	00	00000000
HV-DX1E	BC	00	00000000
	61	00	00000000
	80	00	00000000
	F3	00	00000000
	D0	00	00000000
	03	00	00000000

WR : OK I : EXIT MOVE : ◀ ▶
EDIT : ▲ ▼

EEPROM option code No. setting procedure

1. DETECT NEW EEPROM (OPTION EDIT SCREEN)
 - Eeprom EDIT screen automatically appears if replacing Eeprom.
 - Setup option data using the cursor Up/Down key of a remote control.
(Setup upon BOM depending on OPT1~OPT6 model)
 - Since an initial remote control is set to LG for LG model, appropriately set option data using the cursor Up/Down key.
 - For SANYO model, change a remocon key by using following JIG key.
SANYO MODEL : FRONT DVD/VCR + FRONT CH UP (LG/SANYO CODE)
2. EEPROM WRITED COMPLETE SCREEN
 - Writes data on EEPROM by using REMOCON "OK".
 - If completing the option data screen with a menu key, Powering Off is automatically done and the option edit screen is arranged.
3. PG ADJUST
 - Plays PAL SP TAPE for adjusting the AUTO PG.
 - A 0:00:00 is played in the field if pressing the front play with Remocon number "1" key played during PAL SP.
 - The 0:00:00 in the field represents position of the TRACKING PRESET.
 - "OFF" is displayed in the field if pressing the front play key with the remocon number "1" in the status of the tracking preset pressed, and "ON" is displayed in the field if AUTO PG operation is automatically performed and completed.
 - DECK STOP > plays if above operation is completed. Set operation is performed depending on changed PG values. These values are stored in the EEPROM area.
4. EEPROM INITIAL
 - SETUP is displayed in the field if pressing the FRONT REC KEY with the remocon number "CLEAR" key pressed in the status of powering Off.
 - AUTO SEARCH is done since the initial screen of ACMS is serviced if powering On.
 - Check basic operation (PLAY/RECORD...)

SPECIFICATIONS

GENERAL PART

Power supply	AC 200~240V, 50 Hz
Power consumption	23W
Mass	5.4kg
External dimensions	430 x 97.5 x 360 (W x H x D)
Signal system	PAL 625/50, NTSC 525/60

DVD PART

Laser	Semiconductor laser, wavelength 650nm
Frequency range (digital audio)	4 Hz to 20 kHz
Signal-to-noise ratio (digital audio)	More than 100 dB (EIAJ)
Audio dynamic range (digital audio)	More than 95 dB (EIAJ)
Harmonic distortion(digital audio)	0.008%
Wow and flutter	Below measurable level (less than +0.001%(W.PEAK)) (EIAJ)
Operations	Temperature : 5°C(41°F) to 35°C(95°F), Operation status : Horizontal

OUTPUTS

VHS PART

Video Head System	Double azimuth 4 heads, helical scanning
Tape format	Tape width 12.7 mm (0.5 inch)
Timer	24 hours display type

*Designs and specifications are subject to change without notice.

*Weight and dimensions shown are approximate.

SECTION 2

CABINET & MAIN CHASSIS

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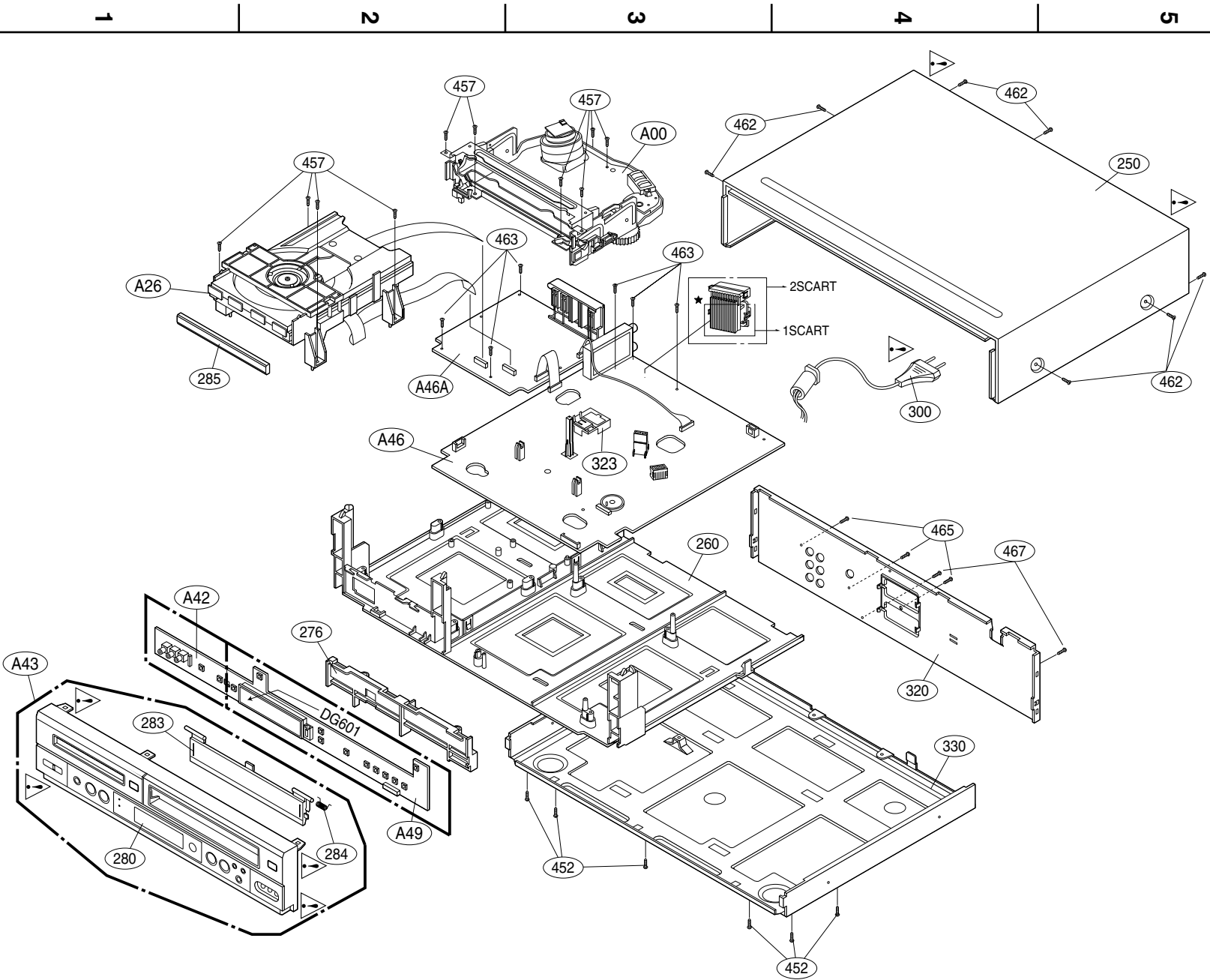
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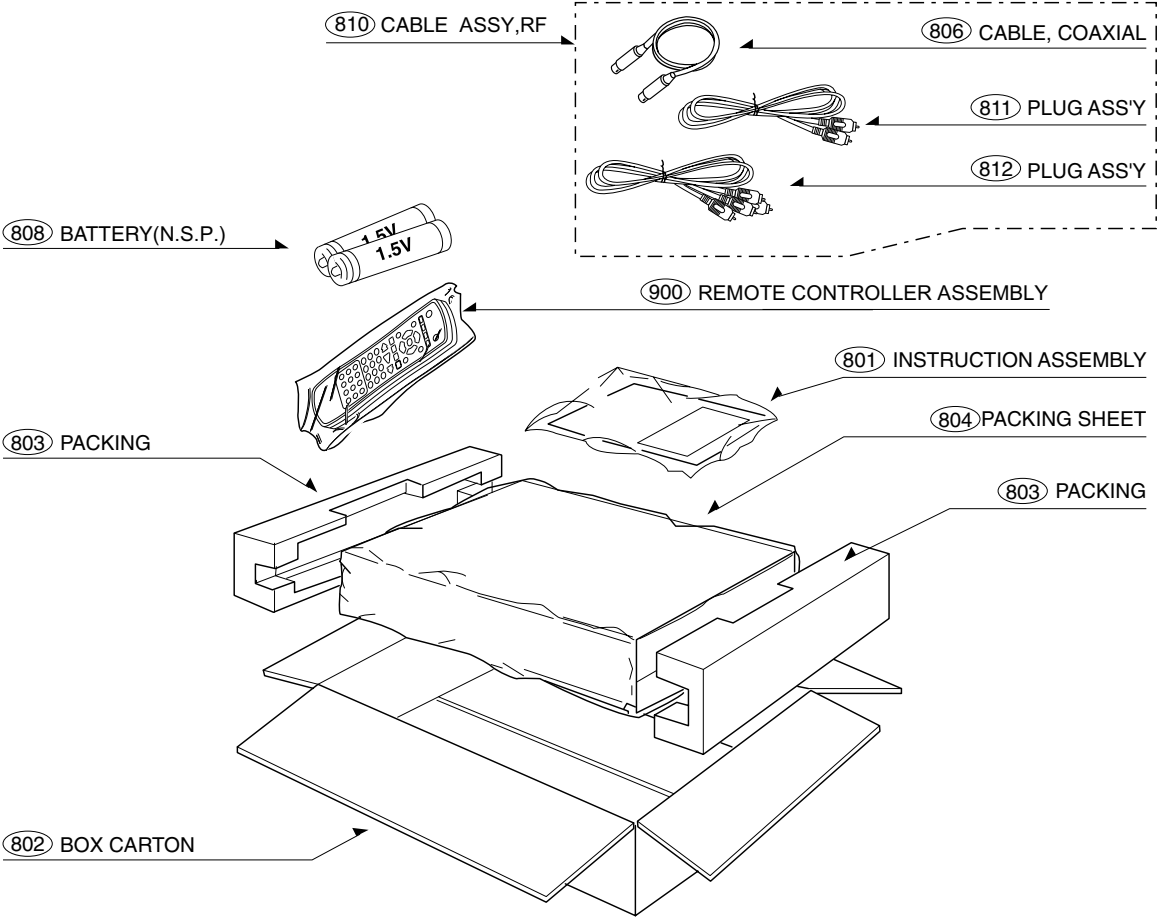
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EXPLODED VIEWS

1. Cabinet and Main Frame Section



2.Packing Accessory Section



SECTION 5 MECHANISM

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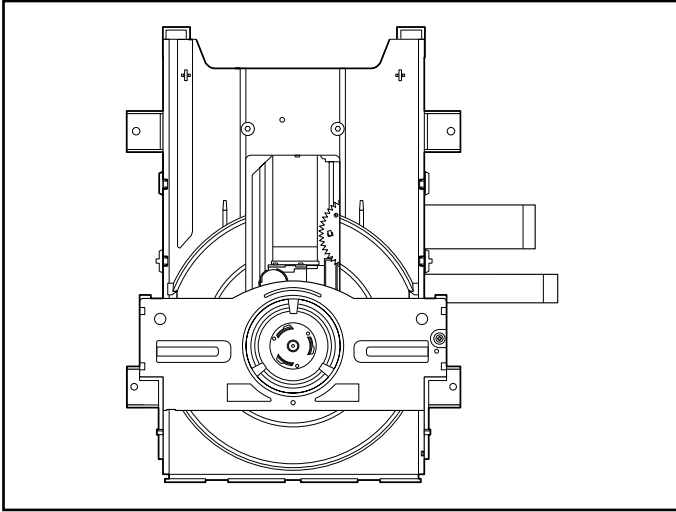
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EXPLODED VIEW

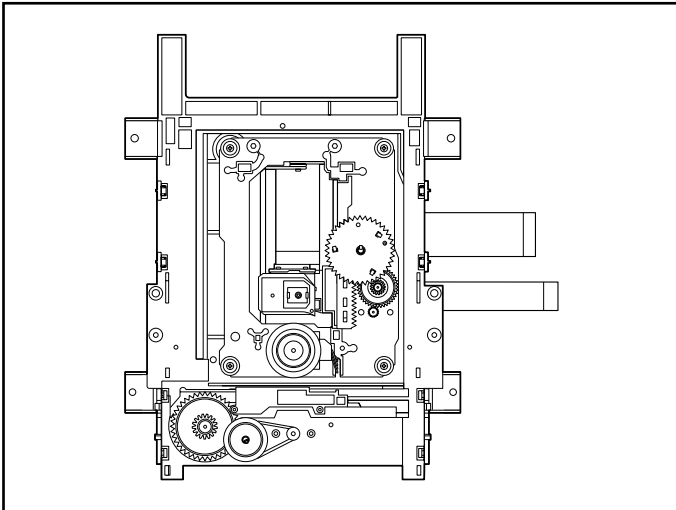
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DECK MECHANISM PARTS LOCATION

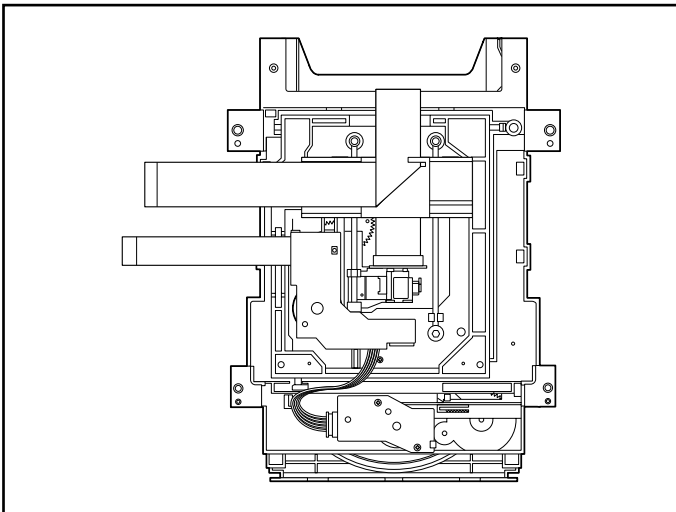
• Top View (With Tray)



• Top View (Without Tray)



• Bottom View



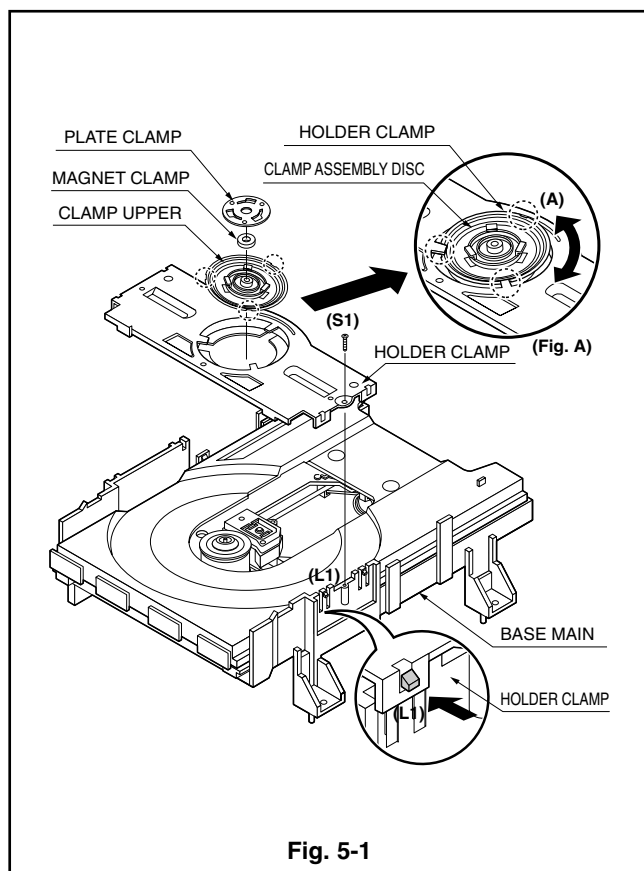
Procedure		Parts	Fixing Type	Disassembly	Figure
Starting No.					
	1	Holder Clamp	2 Screws, 2 Locking Tabs		5-1
1	2	Clamp Assembly Disc			5-1
1, 2	3	Plate Clamp			5-1
1, 2, 3	4	Magnet Clamp			5-1
1, 2, 3, 4	5	Clamp Upper			5-1
1	6	Tray Disc			5-2
1, 6	7	Base Assembly Sled			5-3
1, 2, 6	8	Gear Assembly Feed	4 Screws, 1 Connector 1 Locking Tabs		5-3
1, 2, 6, 8	9	Gear Middle			5-3
1, 2, 6, 8, 9	10	Gear Assembly Rack	1 Screw		5-3
1, 2, 7	11	Rubber Rear			5-3
1, 2, 7	12	Frame Assembly Up/Down	1 Screw	Bottom	5-4
1, 2	13	Belt Loading	1 Locking Tab		5-4
1, 2, 13	14	Gear Pulley			5-4
1, 2, 13, 14	15	Gear Loading	1 Locking Tab		5-4
1, 2, 7, 12, 13, 14	16	Guide Up/Down			5-4
1, 2, 13	17	PWB Assembly Loading	1 Locking Tab 1 Hook 2Screw	Bottom	5-4
1, 2, 7, 12, 13, 14, 15, 16, 17	18	Base Main	2 Locking Tabs		5-4

Note

When reassembling, perform the procedure in reverse order.

The "Bottom" on Disassembly column of above Table indicates the part should be disassembled at the Bottom side.

DECK MECHANISM DISASSEMBLY



1. Holder Clamp (Fig. 5-1)

- 1) Release 1 Screws(S1).
- 2) Unhook 2 Locking Tabs(L1).
- 3) Lift up the Holder Clamp and then separate it from the Base Main.

1-1. Clamp Assembly Disc

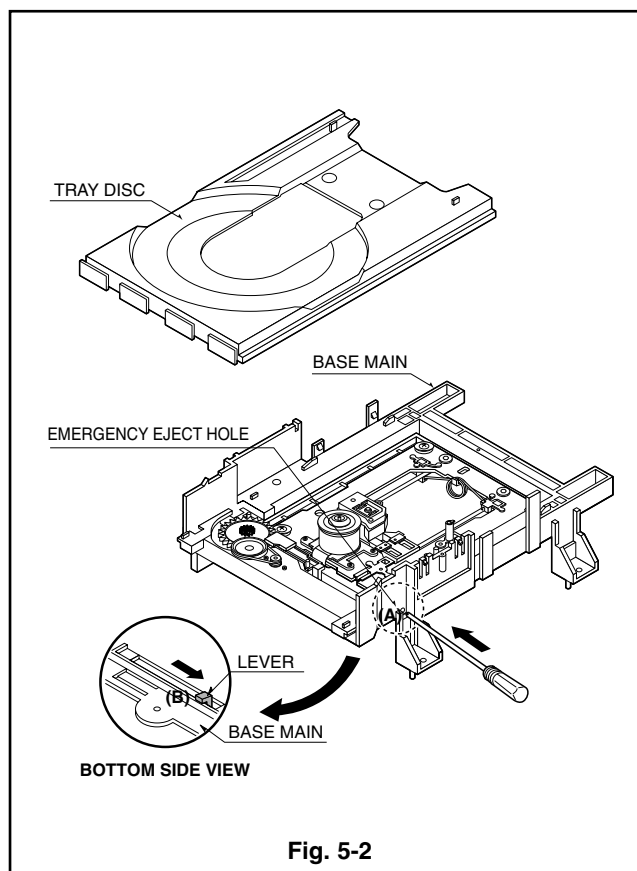
- 1) Place the Clamp Assembly Disc as Fig. (A)
- 2) Lift up the Clamp Assembly Disc in direction of arrow(A).
- 3) Separate the Clamp Assembly Disc from the Holder Clamp.

1-1-1. Plate Clamp

- 1) Turn the Plate Clamp to counterclockwise direction and then lift up the Plate Clamp.

1-1-2. Magnet Clamp

1-1-3. Clamp Upper



2. Tray Disc (Fig. 5-2)

- 1) Insert and push a Driver in the emergency eject hole(A) at the right side, or put the Driver on the Lever(B) of the Gear Emergency and pull the Lever(B) in direction of arrow so that the Tray Disc is ejected about 15~20mm.
- 2) Pull the Tray Disc until it is separated from the Base Main completely.

DECK MECHANISM DISASSEMBLY

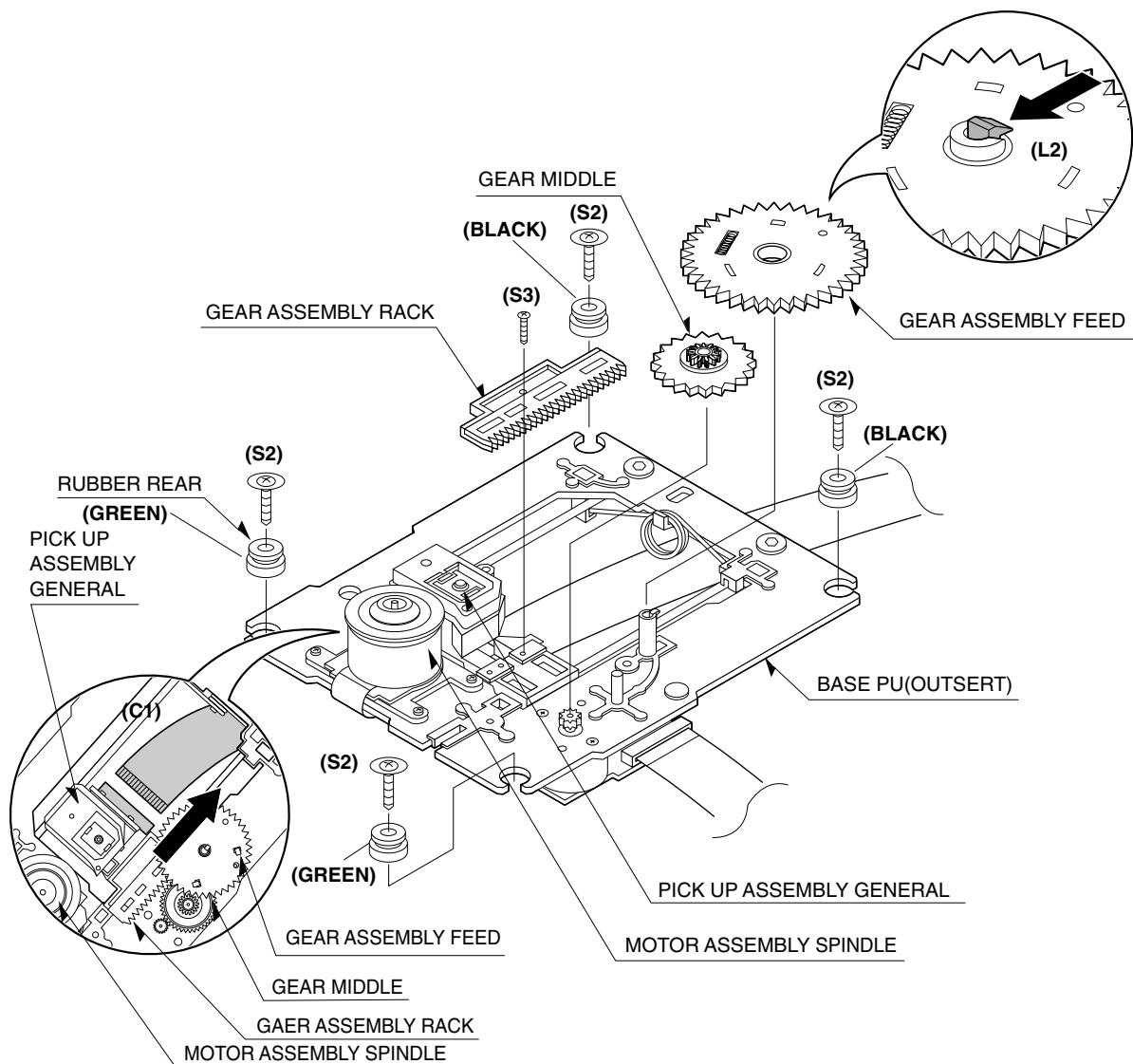


Fig. 5-3

3. Base Assembly Sled (Fig. 5-3)

- 1) Release 4 Screw(S2).
- 2) Disconnect the FFC Connector(C1)

3-1. Gear Assembly Feed

- 1) Unhook the Locking Tab(L2) in direction of arrow.

3-2. Gear Middle

3-3. Gear Assembly Rack

- 1) Release the Screw(S3)

4. Rubber Rear (Fig. 5-3)

DECK MECHANISM DISASSEMBLY

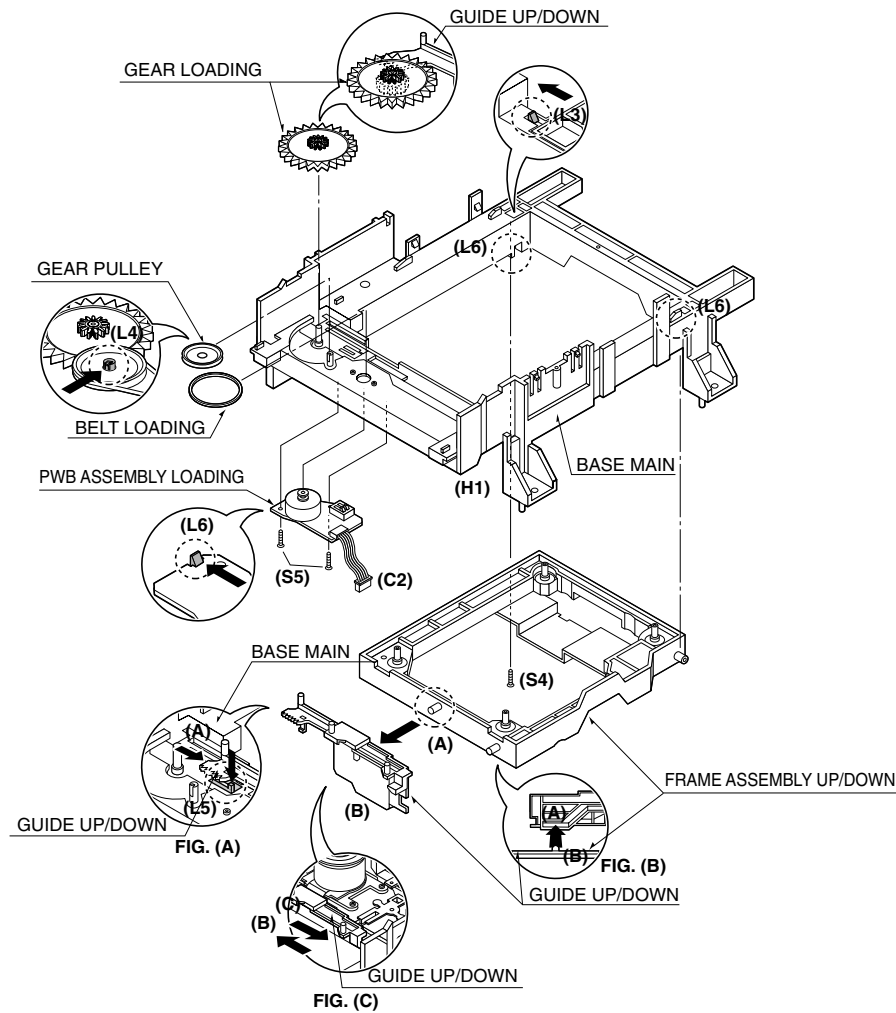


Fig. 5-4

5. Frame Assembly Up/Down

Note

Put the Base Main face down(Bottom Side)

- 1) Release the Screw(S4)
- 2) Unlock the Locking Tab(L3) in direction of arrow and then lift up the Frame Assembly Up/Down to separate it from the Base Main.

Note

- When reassembling move the Guide Up/Down in direction of arrow(C) until it is positioned as Fig.(C).
- When reassembling insert (A) portion of the Frame Assembly Up/Down in the (B) portion of the Guide Up/Down as Fig.(B)

6. Belt Loading(Fig. 5-4)

Note

Put the Base Assembly Main on original position(Top Side)

7. Gear pulley (Fig. 5-4)

- 1) Unlock the Locking Tab(L4) in direction of arrow(B) and then separate the Gear Pulley from the Base Main.

8. Gear Loading (Fig. 5-4)

9. Guide Up/Down (Fig. 5-4)

- 1) Move the Guide Up/Down in direction of arrow(A) as Fig.(A)
- 2) Push the Locking Tab(L5) down and then lift up the Guide Up/Down to separate it from the Base Main.

Note

When reassembling place the Guide Up/Down as Fig.(C) and move it in direction arrow(B) until it is locked by the Locking Tab(L5). And confirm the Guide Up/Down as Fig.(A)

10. PWB Assembly Loading

Note

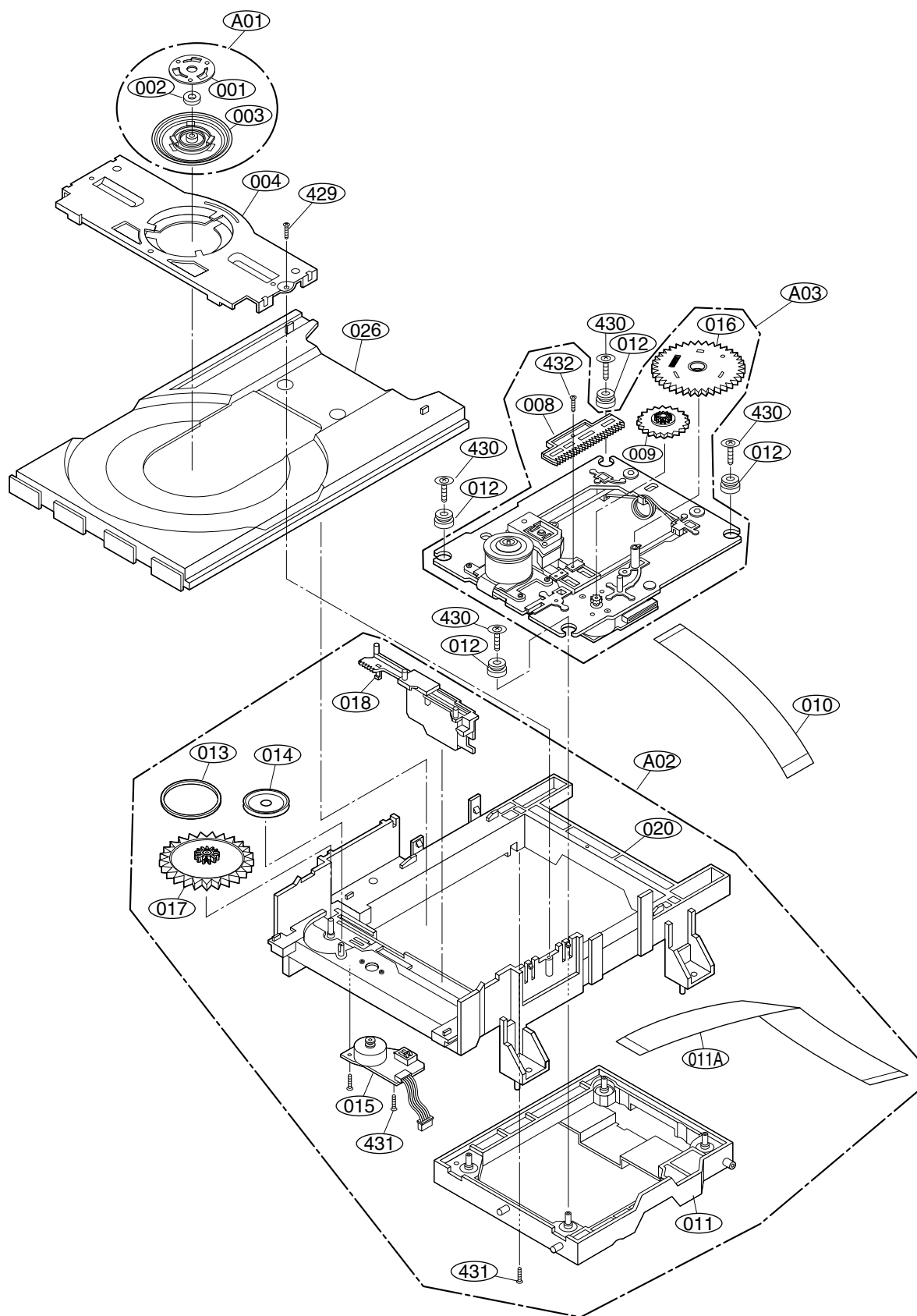
Put the Base Main face down(Bottom Side)

- 1) Release 2 Screws(S5)
- 2) Unhook the Loading Motor Connector (C2) from the Hook (H1) on the Base Main.
- 3) Unlock 2 Locking Tabs(L6) and separate the PWB Assembly Loading from the Base Main.

11. Base Main(Fig. 5-4)

EXPLODED VIEWS

1. Deck Mechanism Exploded View



MEMO

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

NOTES) ⚠ Warning
Parts that are shaded are critical
With respect to risk of fire or
electrical shock.

SECTION 6 REPLACEMENT PARTS LIST

MODEL: <A>: HV-DX1E : HV-DX1SP <C>: HV-DX1EV

Mechanical Section

RUN DATE:14.MAY.2002
NSP:NOT SERVICE PART

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
DVD SECTION									
ASSEMBLY SECTION									
		A01	LG4861R-0015A	O	O	O	CLAMP ASSEMBLY	DISC(DP-5) DI	
		A02	LG3041R-0059A	O	O	O	BASE ASSEMBLY	SUB, MAIN (DVD+VCR) DI	
		A03	LG3041R-0065A	O	O	O	BASE ASSEMBLY	SUB SLED(DP5-4V, DVD+VCR) DI	
		A26	LG6721RF0353A	O	O	O	DECK ASSEMBLY,VIDEO	DP5-4V(DVD+VCR) DI	
PARTS SECTION									
		001	LG3300R-0547A	O	O	O	PLATE	CLAMP	NSP
		002	LG5016H-1016B	O	O	O	MAGNET	CLAMP(LDM-R608,10*5,1*1.5T)	NSP
		003	LG4860R-0006A	O	O	O	CLAMP	UPPER	NSP
		004	LG4930R-0171A	O	O	O	HOLDER	CLAMP	
		008	LG4470R-0047B	O	O	O	GEAR	ASSY RACK (DI)	
		009	LG4470R-0053A	O	O	O	GEAR	MIDDLE	
		011	LG3210R-0036A	O	O	O	FRAME	UP/D	
		013	LG4400R-0006A	O	O	O	BELT	LOADING	
		014	LG4470R-0055A	O	O	O	GEAR	PULLEY	
		015	LG6871R25130A	O	O	O	PWB(PCB) ASSEMBLY,OTHERS	SUB,L/D (DP-4V,DVD+VCR) DI	
		016	LG4470R-0050B	O	O	O	GEAR	ASSY FEED (DI)	
		017	LG4470R-0056A	O	O	O	GEAR	LOADING	
		018	LG4974R-0023A	O	O	O	GUIDE	UP/DOWN	
		020	LG3040R-0024A	O	O	O	BASE	MAIN	NSP
		026	LG3390R-0005A	O	O	O	TRAY	DISC	
SCREW									
		429	LG1SZZR-0012A	O	O	O	SCREW,	B-TITE	
		430	LG1SZZH-1003A	O	O	O	SCREW,	+ D2.0 6MM SWRCH16A/NIY 4.5MM	
		431	LG1SZZH-1007B	O	O	O	SCREW,DRAWING	+ D2.0 6MM SWRCH16A/ZNBK 4MM 1	
		432	LG1SZZR-0011A	O	O	O	SCREW,	MACHINE	
VCR SECTION									
ASSEMBLY SECTION									
		A00	LG6721RF0760E	O	O	O	DECK ASSEMBLY,VIDEO	DI D35(N) (4HF_21(SONY), PAL,	NSP
		A01	LG6723R-0403D	O	O	O	DRUM(CIRC) ASSEMBLY	D35-6CH PAL(8P6C)	
		A03	LG4261R-0025A	O	O	O	ARM ASSY	CLEANER	
		A04	LG4811RF0038A	O	O	O	BRACKET ASSEMBLY	L/D(S)	
		A11	LG4471R-0005A	O	O	O	GEAR ASSY	P3	
		A12	LG4471R-0004A	O	O	O	GEAR ASSY	P2	
		A21	LG4931R-0047A	O	O	O	HOLDER ASSY	CST	
		A22	LG4471R-0006A	O	O	O	GEAR ASSY	RACK F/L	
		A23	LG4261R-0023A	O	O	O	ARM ASSY	F/L	
		A24	LG4510R-0046A	O	O	O	LEVER	ASSY SWITCH	
PARTS SECTION									
		001	LG6723R-0306D	O	O	O	DRUM(CIRC) ASSEMBLY	SUB D35-6CH (8P6C)	NSP
		002	LG4680R-B005A	O	O	O	MOTOR(MECH)	DRUM I2OAL05 SEJIN-SANKYO ICLE	
		002A	LG5202R00002C	O	O	O	BRUSH,CARBON	ASSY D33 (TIP+2 SPRING) 1.4,	
		003	LG4930R-0284A	O	O	O	HOLDER,SHELF	FPC(6CH)	
		004	LG5006R-0034A	O	O	O	CAP	FPC	
		006	LG4580R-0004A	O	O	O	ROLLER	CLEANER	NSP
		007	LG4260R-0039A	O	O	O	ARM	CLEANER	NSP
		008	LG6850R-HG18Z	O	O	O	CABLE,FLAT	P=1.25 FFC UL2896(0.05X0.8) 7	
		009	LG4260R-0038A	O	O	O	ARM	T/UP(D35)	
		011	LG4261R-0022A	O	O	O	ARM ASSY	TENSION(D35)	
		012	LG3041R-0037A	O	O	O	BASE ASSY	P2	
		013	LG3041R-0038A	O	O	O	BASE ASSY	P3	
		014	LG3041R-0039A	O	O	O	BASE ASSY	P4	
		015	LG5870R-0005A	O	O	O	OPENER	LID(D35)	
		010	LG4810R-0125A	O	O	O	BRACKET	CHASSIS	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		016	LG3041R-0036A	O	O	O	BASE ASSEMBLY	A/C HEAD (ALPS)	
		017	LG4408R-0003A	O	O	O	REEL	S	
		018	LG4970R-0140A	O	O	O	SPRING	COIL RS D35	
		019	LG4421R-0008A	O	O	O	BRAKE ASSEMBLY	RS	
		020	LG4970R-0128A	O	O	O	SPRING	COIL D35 (TB)	
		021	LG4421R-0006A	O	O	O	BRAKE ASSY	T	
		022	LG6520D00002A	O	O	O	HEAD(CIRC)	D35 FE ST FE HEAD	
		023	LG3040R-0057A	O	O	O	BASE	LOADING	
		024	LG4261R-0029A	O	O	O	ARM ASSEMBLY	IDLER (N)	
		025	LG4810R-0118A	O	O	O	BRACKET	L/D(S)	NSP
		026	LG4680R-D002A	O	O	O	MOTOR(MECH)	LOADING MDB2B66 SANKYO D35 ASP	
		027	LG4470R-0093A	O	O	O	GEAR	WHEEL	NSP
		028	LG4408R-0004A	O	O	O	REEL	T	
		029	LG4261R-0019A	O	O	O	ARM ASSY	PINCH	
		030	LG4510R-0043A	O	O	O	LEVER	T/UP	
		031	LG4970R-0123A	O	O	O	SPRING	COIL TENSION(D35)	
		032	LG3141R-0040A	O	O	O	CHASSIS ASSY	D35	NSP
		051	LG4400R-0005A	O	O	O	BELT	CAPSTAN	
		052	LG4680R-A007A	O	O	O	MOTOR(MECH)	CAPSTAN F2QVB06 SANKYO D35 ASR	
		052A	LG4980R-0023A	O	O	O	SUPPORTER	CAPSTAN(D35)	
		054	LG4470R-0100A	O	O	O	GEAR	RACK F/L	
		054A	LG4970R-0124B	O	O	O	SPRING	COIL D35 (RACK F/L)	
		055	LG4470R-0097A	O	O	O	GEAR	DRIVE(D35)	
		056	LG4470R-0096A	O	O	O	GEAR	CAM(D35)	
		058	LG4421R-0007A	O	O	O	BRAKE ASSY	CAPSTAN	
		060	LG4510R-0040A	O	O	O	LEVER	F/R(D35)	
		061	LG4265R-0006A	O	O	O	CLUTCH ASSEMBLY	D35 (N)	
		064	LG4470R-0098A	O	O	O	GEAR	SECTOR(D35)	
		065	LG4261R-0021A	O	O	O	ARM ASSY	P3	NSP
		066	LG4970R-0122A	O	O	O	SPRING	COIL D35	NSP
		067	LG4470R-0095A	O	O	O	GEAR	P3	NSP
		068	LG4470R-0094A	O	O	O	GEAR	P2	NSP
		069	LG4970R-0122A	O	O	O	SPRING	COIL D35	NSP
		070	LG4261R-0020A	O	O	O	ARM ASSY	P2	NSP
		076	LG4510R-0047A	O	O	O	LEVER	SPRING	
		077	LG3300R-M116A	O	O	O	PLATE	SLIDER	
		078	LG4510R-0041A	O	O	O	LEVER	TENSION	
		079	LG3040R-0056A	O	O	O	BASE	TENSION(D35)	
		100	LG3300R-M118A	O	O	O	PLATE	TOP(D35)	
		102	LG4970R-0130A	O	O	O	SPRING	COIL D35 (STOPPER)	
		103	LG4930R-0276A	O	O	O	HOLDER,SHELF	SIDE(L)	NSP
		105	LG4930R-0274A	O	O	O	HOLDER,SHELF	CST	NSP
		106	LG4930R-0275A	O	O	O	HOLDER,SHELF	SIDE(R)	NSP
		107	LG4510R-0044A	O	O	O	LEVER	STOPPER	NSP
		109	LG5870R-0004A	O	O	O	OPENER	DOOR	
		110	LG4260R-0035A	O	O	O	ARM	F/L(L)	NSP
		112	LG3070R-0002A	O	O	O	BODY	F/L	NSP
		113	LG4970R-0127A	O	O	O	SPRING	COIL D35 (F/L(R))	NSP
		114	LG4260R-0036A	O	O	O	ARM	F/L(R)	NSP
		115	LG4510R-0042A	O	O	O	LEVER	SWITCH	
		116	LG4970R-0138A	O	O	O	SPRING	COIL D35 SWITCH	
		117	LG3300R-M137A	O	O	O	PLATE	SPRING CST	
SCREW									
		401	LG1MEC0261518	O	O	O	SCREW MACHINE,PAN HEAD SPR W	#NAME?	
		402	LG1MPC0261418	O	O	O	SCREW MACHINE,PAN HEAD	D 2.6 L 4.0 MSWR3/FZY	
		405	LG1SZZR-0031B	O	O	O	SCREW,DRAWING	+ 1 D2.6 L5.8 SWRCH16A/FZY TAP	
		406	LG1MEC0302018	O	O	O	PAN HEAD MACHINE SCREW S/W +	D 3.0 L 6.0 MSWR3/FZY	
		409	LG1SZZR-0032B	O	O	O	SCREW,DRAWING	+ 1 D2.6 L5.0 SWRCH18A/FZY TAP	
		410	LG1APF0262218	O	O	O	SCREW TAP TITE(B),PAN HEAD	#NAME?	
WASHER									
		517	LG1WZZR-0004D	O	O	O	WASHER	STOPPER	
		518	LG1WZZR-0004A	O	O	O	WASHER	STOPPER	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
CABINET & MAIN FRAME SECTION									
ASSEMBLY SECTION									
		A42	LG3501R-3142A	O	O	O	BOARD ASSEMBLY	KEY-B DCY503CPQ NA6SSS (DI)	
		A43	LG3721R-F262D		O	O	PANEL ASSEMBLY,FRONT	FRONT (DCY503CPQ NA6SSS)	
		A46	LG3501R-4216A	O			BOARD ASSEMBLY	SCART DI DCY503CIQ.NA4USS	
		A46	LG3501R-4216B		O	O	BOARD ASSEMBLY	LG COMBI DI DCY503CPQ.NA3GSS	
		A46A	LG6871R-2305B	O	O	O	PWB(PCB) ASSEMBLY,TOTAL	DVD DC593NSQ NA3FLL (DI)	
		A49	LG3501R-3141A	O	O	O	BOARD ASSEMBLY	TIMER DCY503CPQ NA6SSS (DI)	
PARTS SETION									
		250	LG3110R-P009A	O	O	O	CASE	TOP(DVD+VCR)	
		260	LG3211R-0039C	O	O	O	FRAME ASSEMBLY	MAIN(DVD+VCR) FCC GND	NSP
		276	LG4930R-0298B	O	O	O	HOLDER,SHELF	TIMER PWB(D+V-RIB CUTTING)	
		280	LG3720R-F200D	O	O	O	PANEL,FRONT	FRONT (DCY503CPQ NA6SSS)	NSP
		283	LG3580R-V006Y		O	O	DOOR	CST (DCY503CPQ NA6SSS)	
		283	LG3580R-V006Z	O			DOOR	CST (DCY503CIQ NA4USS)	
		284	LG442-681A	O	O	O	SPRING	DOOR	
		285	LG3581R-T046A	O	O	O	DOOR ASSEMBLY	TRAY (SANYO)	
	△	300	LG6410RBHV02C	O			POWER CORD	MP5005SC/HO3VVH2-F VOLEX BSI 1	
	△	300	LG6410RCHP02B		O	O	POWER CORD	HIT-102/H0VHH2-F(WITH CORE) HI	
		320	LG3720R-D050L	O	O	O	PANEL,FRONT	BACK(DCY503CPQ NA6SSS)	
		323	LG3111R-0089C	O	O	O	CASE ASSEMBLY	PRE-AMP (02-PAL)	
		330	LG3140R-0042A	O	O	O	CHASSIS	MAIN(DVD+VCR)	
SCREW									
		452	LG353-051A	O	O	O	SCREW	SPECIAL	
		457	LG353-051E	O	O	O	SCREW	SPECIAL (3X12)	
		462	LG353-085E	O	O	O	SCREW,DRAWING	+ 3 D4.0 L10.0 MSWR3/FZMCW-2	
		463	LG353-051B	O	O	O	SCREW	SPECIAL	
		465	LG353-046K	O	O	O	SCREW	SPECIAL (3X10 B.K)	
		467	LG353-051G	O	O	O	SCREW,DRAWING	+ 2 D3.0 L8.0 MSWR3/FN TB ROUN	
PACKING & ACCESSORY SECTION									
		801	LG3835RP0076S			O	INSTRUCTION ASSEMBLY	DCY503CPQ NA3GSS	
		801	LG3835RP0076T			O	INSTRUCTION ASSEMBLY	DCY503CPQ NA6SSS	
		801	LG3835RP0076X	O			INSTRUCTION ASSEMBLY	DCY503CIQ NA4USS	
		802	LG3890R-H790J	O			BOX	DCY503CIQ NA4USS SWM3-A 1.464	
		802	LG3890R-H790K			O	BOX	DCY503CPQ NA6SSS SWM3-A 1.464	
		802	LG3890R-H790M			O	BOX	DCY503CPQ NA3GSS SW3-A 1.285 1	
		803	LG3920R-E050A			O	PACKING,CASING	DC590 0.02 80 EPE 4 714 1428	
		804	LG292-053B	O	O	O	BAG	SOFT(MIDI)	NSP
		806	LG6850R-CAA26	O	O	O	CABLE,COAXIAL	1200M/M PAL-PAL DOUBLE SHIELD	
		808	LG534-008C	O	O	O	BATTERY,MANGANESE	AAAM(R03) SEOTONG 1-5 V - 1PA	NSP
		810	LG6851RP0003B	O	O	O	CABLE ASSY,RF	CABLE ASSY,RF/SCART/RCA USING	
		811	LG6611R1G001A	O	O	O	PLUG ASSY	1WAY YELLOW GLOBAL	
		812	LG6611R2G001A	O	O	O	PLUG ASSY	2WAY RED/WHITE GLOBAL	
REMOTE CONTROL SECTION									
		900	LG6711R1N077C	O			REMOTE CONTROLLER ASSEMBLY	N6 DCY503CIQ NA4USS W/VIDEO PL	
		900	LG6711R1N077D		O	O	REMOTE CONTROLLER ASSEMBLY	N6 DCY503CPQ NA6SSS W/SHOWVIEW	

Electrical Section

RUN DATE:14.MAY.2002

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
DVD SECTION									
PWB ASSEMBLY (A46A)									
CAPACITOR									
		C201	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C202	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C203	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C204	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C205	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C206	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C207	LG0CH1105D942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C208	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C209	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C210	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C211	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C212	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C213	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C214	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C215	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C216	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C224	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C225	LG0CH1105D942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C226	LG0CH1105D942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C229	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C230	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C231	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C232	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C238	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C239	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C240	LG0CH1222K562	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	2200PF 50V K X7R(X) 1608 R/TP	
		C242	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C245	LG0CH1105D942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C251	LG0CH1105D942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C252	LG0CH4100K112	O	O	O	CHIP CAPA CERAMIC M/L T.C F/S	10P 50V D COG 1.6X0.8 R/TP	
		C253	LG0CH1105D942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C254	LG0CH1105D942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C255	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C258	LG0CH1105D942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C261	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C262	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C263	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C264	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C265	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C272	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C273	LG0CH1225F944	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C274	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C278	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C279	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C280	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C281	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C284	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C285	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C286	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C287	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C288	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C290	LG0CH4180K412	O	O	O	CAPACITOR,CHIP CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP	
		C291	LG0CH4180K412	O	O	O	CAPACITOR,CHIP CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP	
		C292	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C293	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C294	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C295	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C296	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2A0	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		C2A3	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2A4	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2A5	LG0CH1683F942	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.068UF 16V 80%,-20% Y5V(F) 16	
		C2A6	LG0CH1102K562	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C2A7	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2A8	LG0CH1152K562	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	1500PF 50V 10% X7R(X) 1608 R/T	
		C2A9	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2B3	LG0CH1392K562	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	3900PF 50V K Z5U(E) 1608 R/TP	
		C2B4	LG0CH1683F942	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.068UF 16V 80%,-20% Y5V(F) 16	
		C2B5	LG0CH1333K562	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.033UF 50V K X7R(X) 1508 R/TP	
		C2B9	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2C1	LG0CH1103K562	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C2C2	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2C4	LG0CH1102K562	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C2C5	LG0CH1332K562	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	3300P 50V K X7R 1.6X0.8 R/TP	
		C2C6	LG0CH1102K562	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C2C8	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2C9	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2D0	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2D1	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2D2	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2D3	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2D4	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2D5	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2D6	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2D7	LG0CH1152K562	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	1500PF 50V 10% X7R(X) 1608 R/T	
		C2D9	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M1	LG0CE1074F638	O	O	O	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C2M2	LG0CH1682K562	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	6800P 50V K X7R 1.6X0.8 R/TP	
		C2M3	LG0CH1472K562	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	4700PF 50V K X7R(X) 1608 R/TP	
		C2M4	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M5	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M6	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M7	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M8	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M9	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2N1	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2N3	LG0CH1223K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.022UF 50V Z Y5V(F) 1508 R/TP	
		C2N4	LG0CH1225F944	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C301	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C302	LG0CH1225F944	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C303	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C304	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C305	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C306	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C307	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C308	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C309	LG0CH1225F944	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C314	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C316	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C317	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C318	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C319	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C320	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C3F1	LG0CH1225F944	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C3F2	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C401	LG0CE2264F638	O	O	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C402	LG0CE2264F638	O	O	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C403	LG0CE2264F638	O	O	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C404	LG0CE2264F638	O	O	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C405	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C406	LG0CH1104K942	O	O	O	CAPACITOR,CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C408	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C409	LG0CE2274C638	O	O	O	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C410	LG0CH4271K412	O	O	O	CAPACITOR,FIXED CERAMIC(High d	270PF 50V 5% NP0 1608 R/TP	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		C411	LG0CH1102K512	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	1000PF 50V 10% B(5YP) 1608 R/T	
		C412	LG0CH4271K412	O	O	O	CAPACITOR, FIXED CERAMIC(High d	270PF 50V 5% NP0 1608 R/TP	
		C413	LG0CE1064F638	O	O	O	CAPACITOR, ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C414	LG0CH1104K942	O	O	O	CAPACITOR, CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C415	LG0CE1064F638	O	O	O	CAPACITOR, ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C416	LG0CH1102K512	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	1000PF 50V 10% B(5YP) 1608 R/T	
		C417	LG0CH4271K412	O	O	O	CAPACITOR, FIXED CERAMIC(High d	270PF 50V 5% NP0 1608 R/TP	
		C418	LG0CH1392K562	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	3900PF 50V K Z5U(E) 1608 R/TP	
		C419	LG0CE2264F638	O	O	O	CAPACITOR, ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C420	LG0CH1392K562	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	3900PF 50V K Z5U(E) 1608 R/TP	
		C421	LG0CE2264F638	O	O	O	CAPACITOR, ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C422	LG0CE1064F638	O	O	O	CAPACITOR, ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C423	LG0CH4271K412	O	O	O	CAPACITOR, FIXED CERAMIC(High d	270PF 50V 5% NP0 1608 R/TP	
		C424	LG0CH1104K942	O	O	O	CAPACITOR, CHIP CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C501	LG0CE4764F638	O	O	O	CAPACITOR, ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C503	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C504	LG0CE1064F638	O	O	O	CAPACITOR, ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C506	LG0CH1225F944	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C507	LG0CE4764F638	O	O	O	CAPACITOR, ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C508	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C509	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C510	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C511	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C512	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C513	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C514	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C515	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C516	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C517	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C518	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C519	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C520	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C521	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C522	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C523	LG0CH1225F944	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C525	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C526	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C527	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C528	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C529	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C530	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C531	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C532	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C533	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C534	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C535	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C536	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C538	LG0CH1225F944	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C540	LG0CH4220K412	O	O	O	CAPA, CHIP CERAMIC M/L T.C F/S	22P 50V J COG 1.6X0.8 R/TP	
		C541	LG0CH4270K412	O	O	O	CAPACITOR, CHIP CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP	
		C542	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C543	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C544	LG0CH1225F944	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C546	LG0CH4221K412	O	O	O	CAPACITOR, CHIP CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C549	LG0CH4221K412	O	O	O	CAPACITOR, CHIP CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C550	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C553	LG0CH4221K412	O	O	O	CAPACITOR, CHIP CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C554	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C555	LG0CH4101K412	O	O	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C556	LG0CH4101K412	O	O	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C557	LG0CH4270K412	O	O	O	CAPACITOR, CHIP CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP	
		C558	LG0CH1104F942	O	O	O	CAPACITOR, FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C601	LG0CE1074F638	O	O	O	CAPACITOR, ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C602	LG0CE2264F638	O	O	O	CAPACITOR, ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C603	LG0CE1074F638	O	O	O	CAPACITOR, ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		C604	LG0CE1074F638	O	O	O	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C605	LG0CE2264F638	O	O	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C606	LG0CH1104F942	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C607	LG0CE1074F638	O	O	O	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C608	LG0CE1074F638	O	O	O	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C609	LG0CH1103K562	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C610	LG0CH1104F942	O	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C613	LG0CE1054K638	O	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C614	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C615	LG0CE1054K638	O	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C663	LG0CE2264F638	O	O	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		D2A1	LG0DS202009CA	O	O	O	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D2A2	LG0DS202009CA	O	O	O	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D2A3	LG0DS202009CA	O	O	O	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D603	LG0DS202009CA	O	O	O	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D604	LG0DS202009CA	O	O	O	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		F602	LG6200HJC901A	O	O	O	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F603	LG6200HJC901A	O	O	O	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F604	LG6200HJC901A	O	O	O	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F605	LG6200HJC901A	O	O	O	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F606	LG6200HJC901A	O	O	O	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F607	LG6200HJC901A	O	O	O	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F608	LG6200HJC901A	O	O	O	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F609	LG6200HJC901A	O	O	O	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F610	LG6200HJC901A	O	O	O	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		IC201	LG0ILNRHY002B	O	O	O	IC.LINEAR	HDC25D811B HYUNDAI 208 QFP TRA	
		IC203	LG0IEB121616A	O	O	O	IC,ELITE MEMORY TECHNOLOGY	M12L16161A-7T 50P TSOP ST 16M(	
		IC206	LG0ITO704000F	O	O	O	IC,TOSHIBA	TC7W04FU	
		IC2A1	LG0ILNRHI003A	O	O	O	IC.LINEAR	HD153702TF HITACHI 64 TQFP TRA	
		IC2A2	LG0IJR341400C	O	O	O	IC,JRC	NJM3414AM-TE1,3K/REEL. JRC	
		IC2A4	LG0IKE393000G	O	O	O	IC,KEC	KIA393F-EL FLP-8 TP DUAL COMPA	
		IC301	LG0IXL957210C	O	O	O	IC,XILINX	XC9572XL-10TQ100C 100 QFP TRAY	
		IC305	LG0IMMRHY025A	O	O	O	IC,MEMORIES	HY57643220CT-7I HYUNDAI 86P TS	
		IC401	LG0IPRPCJ003B	O	O	O	IC,PERIPHERALS	CS4391-KZR CIRRUS LOGIC 20 TSS	
		IC402	LG0IJR458000B	O	O	O	IC,JRC	NJM4580M 8,DMP8 TP OP AMP 2K/R	
		IC501	LG0INS860200A	O	O	O	IC,NATIONAL SEMICONDUCTOR	NDV8602 240 VQFP BK MICOM+MPEG	
		IC502	LG0IMMRL012A	O	O	O	IC,MEMORIES	AT93C56-10SC(SI)-2.7-8S1 ATMEL	
		IC503	LG0IFA742440F	O	O	O	IC,FAIRCHILD	MM74HCT244SJ 20P SOIC TP 3-STA	
		IC506	LG0IPMGRH003A	O	O	O	IC,POWER MANAGEMENT	BA18BC0FP-E2 ROHM 3P TO252-3 R	
		IC601	LG0IPRPMT002A	O	O	O	IC,PERIPHERALS	MM1510XNRE MITSUMI 6,SOT-26A R	
		IC602	LG0IPRPMT003A	O	O	O	IC,PERIPHERALS	MM1566AFBE MITSUMI 16 SOP R/TP	
		JK601	LG6612J00012G	O	O	O	JACK,RCA	RCA-1302A-7G YUQIU COMBO SCART	
		L201	LG6200HJC102A	O	O	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L203	LG6200HJC102A	O	O	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L206	LG6200HJC102A	O	O	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L207	LG6200HJC102A	O	O	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L2A1	LG6200HJC102A	O	O	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L2A2	LG6200HJC102A	O	O	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L301	LG6200HJC102A	O	O	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L302	LG6200HJC102A	O	O	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L3F1	LG6200HJC102A	O	O	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L502	LG6200HJC102A	O	O	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L503	LG6200HJC102A	O	O	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L504	LG6200HJC102A	O	O	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L505	LG6200HJC102A	O	O	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		Q2A1	LG0TR103709BB	O	O	O	TRANSISTOR	2SA1037K-Q CHIP ROHM-J	
		Q2A2	LG0TR103709BB	O	O	O	TRANSISTOR	2SA1037K-Q CHIP ROHM-J	
		Q2A5	LG0TR388209AA	O	O	O	TRANSISTOR,BIPOLARS	CHIP KTC3882 SOT-23 TP KEC - -	
		Q2A6	LG0TR388209AA	O	O	O	TRANSISTOR,BIPOLARS	CHIP KTC3882 SOT-23 TP KEC - -	
		Q2M1	LG0TR124009AP	O	O	O	TRANSISTOR	DTC124EK TP ROHM KOREA SOT23 3	
		Q605	LG0TR103009AC	O	O	O	TRANSISTOR	KRA103S-T1(PC)22-22 CHIP KEC	
		Q606	LG0TR103009AC	O	O	O	TRANSISTOR	KRA103S-T1(PC)22-22 CHIP KEC	
		Q607	LG0TR387509AC	O	O	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q608	LG0TR387509AC	O	O	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q615	LG0TR103709BB	O	O	O	TRANSISTOR	2SA1037K-Q CHIP ROHM-J	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		R3F3	LG0RH0000C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R3F4	LG0RH1002C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R3F5	LG0RH1002C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R401	LG0RH0182C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R403	LG0RH0102C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R404	LG0RH7501C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R405	LG0RH1801C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R406	LG0RH1801C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R407	LG0RH1002C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R409	LG0RH7501C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R410	LG0RH7501C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R411	LG0RH7501C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R412	LG0RH1801C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R413	LG0RH8201C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R414	LG0RH5601C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R415	LG0RH4701C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R416	LG0RH8201C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R417	LG0RH1801C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R418	LG0RH1002C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R419	LG0RH3300C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R420	LG0RH3300C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R428	LG0RH0000C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R429	LG0RH0000C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R430	LG0RH0000C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R431	LG0RH1001C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R432	LG0RH0000C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R433	LG0RH5600C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R434	LG0RH5600C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R435	LG0RH1001C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R436	LG0RH1001C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R501	LG0RH3301C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R503	LG0RH0000C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R504	LG0RH1000C422	O	O	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 1.00% D	
		R505	LG0RH0102C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R506	LG0RH1001C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R507	LG0RH1100C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	110 OHM 1 / 16 W 1608 5.00% D	
		R508	LG0RH0752C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R509	LG0RH1100C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	110 OHM 1 / 16 W 1608 5.00% D	
		R510	LG0RH0222C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R514	LG0RH0222C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R515	LG0RH0222C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R516	LG0RH1000C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R517	LG0RH0222C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R518	LG0RH0222C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R519	LG0RH0222C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R520	LG0RH0222C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R521	LG0RH4701C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R522	LG0RH1002C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R523	LG0RH4701C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R524	LG0RH1001C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R525	LG0RH0222C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R530	LG0RH1201C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R531	LG0RH1201C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R532	LG0RH1201C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R533	LG0RH1201C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R534	LG0RH6800C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 16 W 1608 5.00% D	
		R535	LG0RH1201C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R541	LG0RH1002C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R588	LG0RJ0372C477	O	O	O	RESISTOR,METAL GLAZED(CHIP)	37.4 OHM 1/16 W 1% 1608 R/TP	
		R589	LG0RJ0372C477	O	O	O	RESISTOR,METAL GLAZED(CHIP)	37.4 OHM 1/16 W 1% 1608 R/TP	
		R590	LG0RJ0372C477	O	O	O	RESISTOR,METAL GLAZED(CHIP)	37.4 OHM 1/16 W 1% 1608 R/TP	
		R591	LG0RJ0372C477	O	O	O	RESISTOR,METAL GLAZED(CHIP)	37.4 OHM 1/16 W 1% 1608 R/TP	
		R597	LG0RH0000C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R604	LG0RH0752C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R605	LG0RH1001C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		R606	LG0RH1001C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R607	LG0RH1001C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R608	LG0RH1001C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R609	LG0RH1001C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R618	LG0RH1003C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R619	LG0RH1003C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R620	LG0RH2200C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R621	LG0RH2200C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R625	LG0RH0752C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R626	LG0RH0752C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R627	LG0RH0752C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R628	LG0RH5601C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R629	LG0RH5601C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R652	LG0RH4700C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		R653	LG0RH4700C622	O	O	O	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		X201	LG6202R-BM04C	O	O	O	RESONATOR,CRYSTAL	HC-49/S BUBANG 33-8688MHZ 5	

VCR SECTION

BOARD ASSEMBLY (A46)									
		BC91	LG636-004C	O	O	O	COIL	BEAD CORE BFS3550R2FD8,R T/P	
		BC92	LG636-004C	O	O	O	COIL	BEAD CORE BFS3550R2FD8,R T/P	
		BD02	LG636-004C	O	O	O	COIL	BEAD CORE BFS3550R2FD8,R T/P	
		BD101	LG0DD160000DA	O	O	O	DIODE	S1WBA60(1A 600V) SHIDENKEN	
		C103	LG624-082C	O	O	O	CAPACITOR,AL.ELECTROLYTIC	100MF/400V SHL SMPS S/Y	
		C105	LG0CQ1031Y519	O	O	O	CAPACITOR,POLYESTER	0.01UF D 630V K PE NI TP	
		C107	LG0CE1054K638	O	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C108	LG0CE336BH638	O	O	O	CAPACITOR,ELECTROLYTIC	33UF KME 25V M FM5 TP5	
		C109	LG0CN223AK948	O	O	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
△		C110	LG0CG2210U610	O	O	O	CAPACITOR,SEMI CERAMIC	220 PF 400V M B R(NK,AD,SD)	
△		C111	LG0CG3320U630	O	O	O	CAPACITOR,SEMI CERAMIC	3300 PF 400V M E R(NK,AD,SD)	
		C121	LG0CE2276F638	O	O	O	CAPACITOR,ELECTROLYTIC	220U SMS 16V M FM5 TP(5)	
		C122	LG624-085D	O	O	O	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C123	LG0CE477BH630	O	O	O	CAPACITOR,AL.ELECTROLYTIC	470UF KME TYPE 25V M FM5 BULK	
		C126	LG0CE2276H638	O	O	O	CAPACITOR,FIXED ELECTROLYTIC	220UF SMS,SG 25V 20% FM5 TP 5	
		C127	LG0CE108BF630	O	O	O	CAPACITOR,FIXED ELECTROLYTIC	1000UF KME 16V M FM5 BULK	
		C128	LG0CE3376D638	O	O	O	CAPACITOR,ELECTROLYTIC	330UF SMS 10V M FM5 TP5	
		C129	LG0CE228BF630	O	O	O	CAPACITOR,FIXED ELECTROLYTIC	2200UF KME TYPE 16V 20% FM5 BU	
		C130	LG624-085D	O	O	O	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C131	LG624-082H	O	O	O	CAPACITOR	CE 1000UF/10V SHL(10*12.5)T/P	
		C132	LG624-085D	O	O	O	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C133	LG0CQ1042K409	O	O	O	CAPACITOR,FIXED FILM	0.1UF S 50V J PE TP	
		C151	LG0CE4754K638	O	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C152	LG0CE4754K638	O	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C153	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C154	LG0CE1074F638	O	O	O	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C155	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C156	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C158	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C159	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C161	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C162	LG0CE4754K638	O	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C163	LG624-087H	O	O	O	CAPACITOR	HIGH-VOL 220PF/1KV CERAMIC	
		C302	LG0CE2264F638	O	O	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C303	LG0CN1220F668	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1200P 16V M X TA26	
		C304	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C305	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C306	LG0CN1220F668	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1200P 16V M X TA26	
		C307	LG0CE1054K638	O	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C308	LG0CQ1532K409	O	O	O	CAPACITOR,FIXED FILM	0.015UF S 50V J PE TP	
		C309	LG0CN2210K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	220P 50V K B TA26	
		C310	LG0CQ1032K409	O	O	O	CAPACITOR,POLYESTER(MYLAR)	0.01UF S 50V J PE TP	
		C311	LG0CE4765K618	O	O	O	CAPACITOR,AL.ELECTROLYTIC	47UF SR,SV 50V M FL TP 5	
		C312	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C313	LG0CQ2232L559	O	O	O	CAPACITOR,POLYESTER	0.022UF S 63V K PP NI TP5	
		C314	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		C315	LG0CE2253K636	O	O	O	CAPACITOR, FIXED ELECTROLYTIC	2.2UF SRE, SE 50V 20% FM5 BP(D)	
		C316	LG0CE1064F638	O	O	O	CAPACITOR, ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C317	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C318	LG0CE1054K638	O	O	O	CAPACITOR, ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C319	LG0CQ1032K409	O	O	O	CAPACITOR, POLYESTER(MYLAR)	0.01UF S 50V J PE TP	
		C320	LG0CE1054K638	O	O	O	CAPACITOR, ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C321	LG0CX6800K408	O	O	O	CAPACITOR TUBULA(T.C)	68P 50V J SL TA26	
		C322	LG0CE1064F638	O	O	O	CAPACITOR, ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C323	LG0CE1064F638	O	O	O	CAPACITOR, ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C324	LG0CE4754K638	O	O	O	CAPACITOR, FIXED ELECTROLYTIC	4.7UF SRA, SS 50V 20% FM5 TP 5	
		C325	LG0CE1064F638	O	O	O	CAPACITOR, ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C326	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C327	LG0CE1054K638	O	O	O	CAPACITOR, ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C328	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C329	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C330	LG0CN1040K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C331	LG0CE2264F638	O	O	O	CAPACITOR, ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C333	LG0CE4764F638	O	O	O	CAPACITOR, ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C334	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C335	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C336	LG0CE4764F638	O	O	O	CAPACITOR, ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C337	LG0CE1054K638	O	O	O	CAPACITOR, ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C338	LG0CN4730K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.047UF D 50V 80%,-20% F(Y5V)	
		C339	LG0CE1054K638	O	O	O	CAPACITOR, ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C340	LG0CN4730K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.047UF D 50V 80%,-20% F(Y5V)	
		C341	LG0CN223AK948	O	O	O	CAPACITOR, TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C342	LG0CN1040K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C343	LG0CN4730K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.047UF D 50V 80%,-20% F(Y5V)	
		C345	LG0CN4730K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.047UF D 50V 80%,-20% F(Y5V)	
		C346	LG0CE4764F638	O	O	O	CAPACITOR, ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C347	LG0CE1054K638	O	O	O	CAPACITOR, ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C348	LG0CE1054K638	O	O	O	CAPACITOR, ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C349	LG0CE4764F638	O	O	O	CAPACITOR, ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C350	LG0CN1040K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C351	LG0CN2210K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	220P 50V K B TA26	
		C353	LG0CE1054K638	O	O	O	CAPACITOR, ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C355	LG0CN1040K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C356	LG0CE1054K638	O	O	O	CAPACITOR, ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C357	LG0CE1054K638	O	O	O	CAPACITOR, ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C358	LG0CX6800K408	O	O	O	CAPACITOR TUBULA(T.C)	68P 50V J SL TA26	
		C359	LG0CE1054K638	O	O	O	CAPACITOR, ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C361	LG0CN223AK948	O	O	O	CAPACITOR, TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C362	LG0CE1064F638	O	O	O	CAPACITOR, ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C363	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C366	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C367	LG0CN1040K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C368	LG0CQ8224K409	O	O	O	CAPACITOR, FIXED FILM	0.0082UF TE 50V 5% PE TP5	
		C369	LG0CN1010K518	O	O	O	CAPACITOR, TUBULAR(HIGH DIELEC)	100P 50V K B TA26	
		C370	LG0CN8200K418	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	82P 50V J B TA26	
		C371	LG0CN8200K418	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	82P 50V J B TA26	
		C372	LG0CN8200K418	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	82P 50V J B TA26	
		C374	LG0CN1040K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C375	LG0CN1040K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C376	LG0CN1040K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C377	LG0CN1040K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C500	LG0CE4775C638	O	O	O	CAPACITOR, FIXED ELECTROLYTIC	470UF SR, SV 6.3V 20% FM5 TP 5	
		C501	LG0CN1040K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C502	LG0CE4764F638	O	O	O	CAPACITOR, ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C503	LG0CE2274C638	O	O	O	CAPACITOR, ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C504	LG0CE2274C638	O	O	O	CAPACITOR, ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C505	LG0CE4764F638	O	O	O	CAPACITOR, ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C506	LG0CN223AK948	O	O	O	CAPACITOR, TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C509	LG0CC2200K415	O	O	O	CAPACITOR, CERAMIC(TEMP COMP)	22P 50V J NP0 TS	
		C511	LG0CN1040K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C512	LG0CN1020K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		C513	LG0CN1020K518	O	O	O	CAPACITOR,TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C514	LG0CC1200K415	O	O	O	CAPACITOR,CERAMIC(TEMP COMP)	12P 50V J NP0 TS	
		C515	LG0CC1500K415	O	O	O	CAPACITOR,CERAMIC(TEMP COMP)	15P 50V J NP0 TS	
		C516	LG0CN223AK948	O	O	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C518	LG0CN1030F678	O	O	O	CAPACITOR,TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C519	LG0CN1040K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C523	LG0CE2254K638	O	O	O	CAPACITOR,FIXED ELECTROLYTIC	2.2UF SRA,SS 50V 20% FM5 TP 5	
		C524	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C525	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C526	LG0CE4764J638	O	O	O	CAPACITOR,AL.ELECTROLYTIC	47UF SRA,SS 35V M FM5 TP 5	
		C527	LG0CN2210K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	220P 50V K B TA26	
		C533	LG0CN1020K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C535	LG0CE4754K638	O	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C543	LG0CN2220F668	O	O	O	CAPACITOR,TUBULAR(HIGH DIELEC)	2200P 16V M X TA26	
		C544	LG0CN4730K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.047UF D 50V 80%,-20% F(Y5V)	
		C545	LG0CN3330K518	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.033UF 50V K B TA26	
		C546	LG0CE4764J638	O	O	O	CAPACITOR,AL.ELECTROLYTIC	47UF SRA,SS 35V M FM5 TP 5	
		C547	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C551	LG0CN3330K518	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.033UF 50V K B TA26	
		C552	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C561	LG0CE2274C638	O	O	O	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C564	LG0CN1020K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C567	LG0CN1020K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C570	LG0CC1500K415	O	O	O	CAPACITOR,CERAMIC(TEMP COMP)	15P 50V J NP0 TS	
		C571	LG0CC1500K415	O	O	O	CAPACITOR,CERAMIC(TEMP COMP)	15P 50V J NP0 TS	
		C575	LG0CN1020K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C576	LG0CC2700K415	O	O	O	CAPACITOR CERAMIC(TEMP COMP)	27P 50V J NP0 TP	
		C577	LG0CN223AK948	O	O	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C578	LG0CN2220F668	O	O	O	CAPACITOR,TUBULAR(HIGH DIELEC)	2200P 16V M X TA26	
		C581	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C582	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C583	LG0CN1040K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C595	LG0CN223AK948	O	O	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C596	LG0CN1040K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C5A3	LG0CN1040K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C5A4	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C5A5	LG0CE1054K638	O	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C5K1	LG0CN1040K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C5P1	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C5P2	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C5R2	LG0CN6810K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	680P 50V K B TA26	
		C5S1	LG0CX4300K408	O	O	O	CAPACITOR TUBULA(T.C)	43P 50V J SL TA26	
		C5S3	LG0CN223AK948	O	O	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C703	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C704	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C706	LG0CX3300K408	O	O	O	CAPACITOR TUBULA(T.C)	33P 50V J SL TA26	
		C707	LG0CX6800K408	O	O	O	CAPACITOR TUBULA(T.C)	68P 50V J SL TA26	
		C708	LG0CE4775C618	O	O	O	CAPACITOR,AL.ELECTROLYTIC	470UF SR,SV 6.3V M FL TP 5	
		C709	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C710	LG0CE4754K638	O	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C712	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C713	LG0CX5600K408	O	O	O	CAPACITOR,TUBULAR(T.C)	56P 50V J SL TA26	
		C714	LG0CX5600K408	O	O	O	CAPACITOR,TUBULAR(T.C)	56P 50V J SL TA26	
		C715	LG0CC0500K015	O	O	O	CAPACITOR,CERAMIC(TEMP COMP)	5P 50V C NP0 TR	
		C716	LG0CC1000K015	O	O	O	CAPACITOR,CERAMIC(TEMP COMP)	10P 50V C NP0 TS	
		C717	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C718	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C719	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C720	LG0CN1520F668	O	O	O	CAPACITOR,TUBULAR(HIGH DIELEC)	1500P 16V M X TA26	
		C721	LG0CN1520F668	O	O	O	CAPACITOR,TUBULAR(HIGH DIELEC)	1500P 16V M X TA26	
		C722	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C723	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C726	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C727	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C729	LG0CE3354K638	O	O	O	CAPACITOR,FIXED ELECTROLYTIC	3.3UF SRA,SS 50V 20% FM5 TP 5	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		C731	LG0CX5R0K508	O	O	O	CAPACITOR TUBULA(T.C)	5.6PF 50V K SL TA26	
		C732	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C751	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C752	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C7M3	LG0CX2700K408	O	O	O	CAPACITOR TUBULA(T.C)	27P 50V J SL TA26	
		C7M6	LG0CX2700K408	O	O	O	CAPACITOR TUBULA(T.C)	27P 50V J SL TA26	
		C7V1	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C7V2	LG0CN223AK948	O	O	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C7V3	LG0CE1054K638	O	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C7V4	LG0CN4730K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.047UF D 50V 80%,-20% F(Y5V)	
		C7V5	LG0CN4730K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.047UF D 50V 80%,-20% F(Y5V)	
		C802	LG0CN1040K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C803	LG0CN1040K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C804	LG0CE1044K638	O	O	O	CAPACITOR,ELECTROLYTIC	0.1M SRA 50V M FM5 TP(5)	
		C805	LG0CE1044K638	O	O	O	CAPACITOR,ELECTROLYTIC	0.1M SRA 50V M FM5 TP(5)	
		C806	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C807	LG0CE4744K638	O	O	O	CAPACITOR,ELECTROLYTIC	0.47M SRA 50V M FM5 TP(5)	
		C808	LG0CE1054K638	O	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C809	LG0CE1054K638	O	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C810	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C811	LG0CE4754K638	O	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C812	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C813	LG0CN6820F668	O	O	O	CAPACITOR,TUBULAR(HIGH DIELEC)	6800P 16V M X TA26	
		C814	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C815	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C816	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C817	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C818	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C819	LG0CN6820F668	O	O	O	CAPACITOR,TUBULAR(HIGH DIELEC)	6800P 16V M X TA26	
		C820	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C821	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C822	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C823	LG0CN1040K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C824	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C825	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C826	LG0CN1030F678	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	0.01M 16V M Y TA26	
		C828	LG0CE1054K638	O	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C829	LG0CE1054K638	O	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C834	LG0CE4775C638	O	O	O	CAPACITOR,FIXED ELECTROLYTIC	470UF SR,SV 6.3V 20% FM5 TP 5	
		C842	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C850	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C852	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C854	LG0CE1054K638	O	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C855	LG0CN1040K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C856	LG0CN1040K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C857	LG0CN1040K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C859	LG0CE2264F638	O	O	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C860	LG0CN1040K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C861	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C863	LG0CE4764F638	O	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C864	LG0CE1054K638	O	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C869	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C870	LG0CE1044K638	O	O	O	CAPACITOR,ELECTROLYTIC	0.1M SRA 50V M FM5 TP(5)	
		C871	LG0CE1044K638	O	O	O	CAPACITOR,ELECTROLYTIC	0.1M SRA 50V M FM5 TP(5)	
		C884	LG0CE1044K638	O	O	O	CAPACITOR,ELECTROLYTIC	0.1M SRA 50V M FM5 TP(5)	
		C885	LG0CE1044K638	O	O	O	CAPACITOR,ELECTROLYTIC	0.1M SRA 50V M FM5 TP(5)	
		C886	LG0CE4775C638	O	O	O	CAPACITOR,FIXED ELECTROLYTIC	470UF SR,SV 6.3V 20% FM5 TP 5	
		C887	LG0CE1064F638		O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C888	LG0CE1064F638		O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C889	LG0CN1040K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C890	LG0CN1040K948	O	O	O	CAPACITOR,FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C901	LG0CE1064F638	O	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C911	LG0CN1020K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C912	LG0CN1020K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C915	LG0CN1020K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		C916	LG0CN1020K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C921	LG0CN1020K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C924	LG0CN1020K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C925	LG0CN1020K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		CS501	LG6600M000002	O	O	O	SWITCH,PUSH	MPU11810MLB0 MIC DC 5V 1MA D-3	
		D101	LG0DD221009AA	O	O	O	DIODE,RECTIFIERS	ERA22-10 KFLB,TP_R T/P,FUJI	
		D102	LG0DD010009AC	O	O	O	DIODE	EU01W(R-FORM) TP SANKEN	
		D107	LG0DD010009AC	O	O	O	DIODE	EU01W(R-FORM) TP SANKEN	
		D108	LG0DD010009AC	O	O	O	DIODE	EU01W(R-FORM) TP SANKEN	
		D110	LG0DR302000AB	O	O	O	DIODE,RECTIFIER	HER302 BK RECTRON DO201AD 100V	
		D111	LG0DR158220AA	O	O	O	DIODE,RECTIFIER	1N5822 BK RECTRON DO201AD 40V	
		D112	LG0DR104510AA	O	O	O	DIODE,RECTIFIERS	B10A45V1 BK KEC TO220 45V 10A	
		D113	LG0DD010009AC	O	O	O	DIODE	EU01W(R-FORM) TP SANKEN	
		D114	LG0DR104009AB	O	O	O	DIODE,RECTIFIER	RL104 R. TP GULF SEMICONDUCTOR	
		D115	LG0DR104009AB	O	O	O	DIODE,RECTIFIER	RL104 R. TP GULF SEMICONDUCTOR	
		D117	LG0DR104009AB	O	O	O	DIODE,RECTIFIER	RL104 R. TP GULF SEMICONDUCTOR	
		D121	LG0DD133009AA	O	O	O	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D122	LG0DD133009AA	O	O	O	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D301	LG0DD133009AA	O	O	O	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D502	LG0DD133009AA	O	O	O	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D509	LG0DD133009AA	O	O	O	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D901	LG0DD133009AA	O	O	O	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D902	LG0DD133009AA	O	O	O	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D905	LG0DD133009AA	O	O	O	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		D906	LG0DD133009AA	O	O	O	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		ES501	LG4931R-0050C	O	O	O	HOLDER ASSEMBLY	END (DI)	
		ES502	LG4931R-0050C	O	O	O	HOLDER ASSEMBLY	END (DI)	
Δ		F101	LG585-011T	O	O	O	FUSE,SLOW BLOW	1600MA 250 V 5.2X20 CY/GL SEMK	
		F102	LG633-032K	O	O	O	IC,ROHM	ICP-N20 T104 TP IC DETACT	
		FH01	LG586-008B	O	O	O	HOLDER	FUSE CLIP TP SINSUNG	
		FH02	LG586-008B	O	O	O	HOLDER	FUSE CLIP TP SINSUNG	
		FL301	LG633-032K	O	O	O	COIL,IFT	BIAC OSC,1CHIP 5V(KS-75M) KWAN	
Δ		IC101	LG0IPMGFF001A	O	O	O	IC,POWER MANAGEMENT	ICE2B265 INFINEON 8 DIP ST SMP	
		IC102	LG0IKE431000A	O	O	O	IC,KEC	KIA431 3 PIN TP	
		IC103	LG0IPMGKE006B	O	O	O	IC,POWER MANAGEMENT	KIA78R33PI CU KEC 4P TO-220IS	
		IC104	LG0IPMGKE006B	O	O	O	IC,POWER MANAGEMENT	KIA78R33PI CU KEC 4P TO-220IS	
Δ		IC105	LG657-063A	O	O	O	SENSOR	LTV-817B, PHOTO COUPLER(LITEON)	
		IC106	LG0IPMGKE009C	O	O	O	IC,POWER MANAGEMENT	KIA7808API-CU KEC 3P TO-220 ST	
		IC301	LG0ILNRS0A005A	O	O	O	IC,LINEAR	LA71750AM SANYO 100 QFP TRAY A	
		IC501	LG0IMCRHI018A	O	O	O	IC,MICRO CONTROLLER	HD6432197SA08F HITACHI 112P QF	
		IC503	LG0IAL241600B	O	O	O	IC,ATMEL	AT24C16 - - - -	
		IC504	LG0IKE703100A	O	O	O	IC,KEC	KIA7031P 3P 3.1V RESET(TAPING)	
		IC505	LG0IKE704200B	O	O	O	IC,KEC	KIA7042P 3P 4.2V RESET(TAPING)	
		IC751	LG0IIT341700B	O	O	O	IC,ITT	MSP3417D-QG QFP44 BK NICAM+A2	
		IC7V1	LG0ILNRMN001A	O	O	O	IC,LINEAR	SDA5650 MICRONAS 14 DIP ST VPS	
		IC801	LG0IPH960500A	O	O	O	IC,PHILIPS	TDA9605H QFP44 BK HIFI AMP+HIF	
		IC802	LG0IMT144300A	O	O	O	IC,MITSUMI	MM1443XJ SSOP-34 TP CANAL S/W	
Δ		L102	LG616-145G	O	O	O	FILTER(CIRC)	SHT LFSQ2215V4-04220	
		L122	LG633-088G	O	O	O	COIL,CHOKE	CHOCK(22MH) 5MM TOKO TP	
		L123	LG633-088G	O	O	O	COIL,CHOKE	CHOCK(22MH) 5MM TOKO TP	
		L124	LG633-088G	O	O	O	COIL,CHOKE	CHOCK(22MH) 5MM TOKO TP	
		L301	LG0LR0102J0N5	O	O	O	INDUCTOR,RADIAL LEAD	10UH 5% TP 3X5 TR5	
		L302	LG0LR1000K035	O	O	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L303	LG0LR0102J0N5	O	O	O	INDUCTOR,RADIAL LEAD	10UH 5% TP 3X5 TR5	
		L304	LG0LR0102J0N5	O	O	O	INDUCTOR,RADIAL LEAD	10UH 5% TP 3X5 TR5	
		L305	LG0LR1000K035	O	O	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L307	LG0LR0102J0N5	O	O	O	INDUCTOR,RADIAL LEAD	10UH 5% TP 3X5 TR5	
		L501	LG0LA0122K018	O	O	O	INDUCTOR AXIAL LEAD	12M K 2.3X3.4 L5 TP	
		L503	LG0LR1000K035	O	O	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L504	LG0LR0102J0N5	O	O	O	INDUCTOR,RADIAL LEAD	10UH 5% TP 3X5 TR5	
		L505	LG0LR1000K035	O	O	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L506	LG635-027C	O	O	O	INDUCTOR,RADIAL LEAD	EL0405RA SKI150G-3 K-TDK 15UH	
		L5S1	LG0LA0332K018	O	O	O	INDUCTOR AXIAL LEAD	33M K 2.3X3.4 L5 TP	
		L702	LG0LR1000K035	O	O	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L704	LG0LR0102J0N5	O	O	O	INDUCTOR,RADIAL LEAD	10UH 5% TP 3X5 TR5	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		L705	LG0LR0102J0N5	O	O	O	INDUCTOR,RADIAL LEAD	10UH 5% TP 3X5 TR5	
		L706	LG0LA0821K018	O	O	O	INDUCTOR AXIAL LEAD	8.2M K 2.3X3.4 L5 TP	
		L707	LG0LR1000K035	O	O	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L751	LG0LR1000K035	O	O	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L7V1	LG0LR1000K035	O	O	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L801	LG0LR1000J025	O	O	O	INDUCTOR,RADIAL LEAD	100UH 5 4X5 TR5	
		L802	LG0LR1000J025	O	O	O	INDUCTOR,RADIAL LEAD	100UH 5 4X5 TR5	
		L803	LG0LR1000J025	O	O	O	INDUCTOR,RADIAL LEAD	100UH 5 4X5 TR5	
		L901	LG0LA1000K018	O	O	O	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		L902	LG0LA1000K018	O	O	O	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		L903	LG0LA1000K018	O	O	O	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		L904	LG0LA1000K018	O	O	O	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		L905	LG0LA1000K018	O	O	O	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		L906	LG0LA1000K018	O	O	O	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		L907	LG0LA1000K018	O	O	O	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		L910	LG0LA1000K018	O	O	O	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		LD501	LG4931R-0017C	O	O	O	HOLDER ASSY	LED(DI-CKD)LOCAL	
		MS501	LG6600JB8005B	O	O	O	SWITCH,MODE	NON 5V 1MA VERTICAL -G	
		P8D01	LG561-686R	O	O	O	CONNECTOR (CIRC),FFC/FPC	00-8370-181-000-800 ELCO 18PIN	
		PBM00	LG6871R-4216A	O			PWB(PCB) ASSEMBLY,TOTAL	LG SANYO SCART CIQ	NSP
		PBM00	LG6871R-4216B		O	O	PWB(PCB) ASSEMBLY,TOTAL	COMBI SANYO SCART	NSP
		PM602	LG561-843D	O	O	O	CONNECTOR	TUC-P05P-B1,TAIKO B-B 5PIN	
		Q112	LG0TR320509AB	O	O	O	TRANSISTOR	KTC3205-TP-Y (KTC2236A)KEC	
		Q113	LG0TR127309AA	O	O	O	TRANSISTOR	KTA1273-TP-Y (KTA966A)KEC	
		Q114	LG0TR126809BA	O	O	O	TRANSISTOR,BIPOLARS	KTA1268-BL TP KEC	
		Q115	LG0TR534309BA	O	O	O	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q116	LG0TR127309AA	O	O	O	TRANSISTOR	KTA1273-TP-Y (KTA966A)KEC	
		Q117	LG0TR320509AB	O	O	O	TRANSISTOR	KTC3205-TP-Y (KTC2236A)KEC	
		Q118	LG0TR534309BA	O	O	O	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q301	LG0TR534309BA	O	O	O	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q302	LG0TR198009CA	O	O	O	TRANSISTOR	2SA1980G TP AUK TO92	
		Q303	LG0TR534309BA	O	O	O	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q304	LG0TR534309BA	O	O	O	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q305	LG0TR198009CA	O	O	O	TRANSISTOR	2SA1980G TP AUK TO92	
		Q306	LG0TR534409AA	O	O	O	TRANSISTOR	2SC5344Y TP	
		Q308	LG0TR198009CA	O	O	O	TRANSISTOR	2SA1980G TP AUK TO92	
		Q309	LG0TR198009CA	O	O	O	TRANSISTOR	2SA1980G TP AUK TO92	
		Q501	LG0TR534309BA	O	O	O	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q502	LG0TR534309BA	O	O	O	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q503	LG0TR127309AA	O	O	O	TRANSISTOR	KTA1273-TP-Y (KTA966A)KEC	
		Q504	LG0TR534309BA	O	O	O	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q514	LG0TR120309AE	O	O	O	TRANSISTOR	SRC1203 TP AUK TO92 22K,22K	
		Q515	LG0TR120309AE	O	O	O	TRANSISTOR	SRC1203 TP AUK TO92 22K,22K	
		Q5S1	LG0TR534309BA	O	O	O	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q804	LG0TR198009CA	O	O	O	TRANSISTOR	2SA1980G TP AUK TO92	
		Q904	LG0TR534309BA	O	O	O	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q905	LG0TR534309BA	O	O	O	TRANSISTOR	2SC5343-L TP AUK TO92	
		Q906	LG0TR534309BA	O	O	O	TRANSISTOR	2SC5343-L TP AUK TO92	
		R100	LG0RD1504H632	O	O	O	RESISTOR,FIXED CARBON FILM	1.5M OHM 1/2 W 5.00% MF10	
		R101	LG614-007A	O	O	O	RESISTOR	2.7/2W CEMENT SMPS V	
		R104	LG0RS5602K619	O	O	O	RESISTOR,FIXED METAL OXIDE FIL	56K OHM 2 W 5.00% TR	
		R105	LG0RD0222F608	O	O	O	RESISTOR,FIXED CARBON FILM	22 OHM 1/6 W 5.00% TA26	
		R106	LG0RD0222F608	O	O	O	RESISTOR,FIXED CARBON FILM	22 OHM 1/6 W 5.00% TA26	
		R107	LG0RS0350K619	O	O	O	RESISTOR,FIXED METAL OXIDE FIL	0.35 OHM 2 W 5.00% TR	
		R111	LG0RD1003F608	O	O	O	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5.00% TA26	
		R112	LG0RD2200F608	O	O	O	RESISTOR,FIXED CARBON FILM	220 OHM 1/6 W 5.00% TA26	
		R113	LG0RD2201F608	O	O	O	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5.00% TA26	
		R114	LG0RD1001F608	O	O	O	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R115	LG0RN3301F408	O	O	O	RESISTOR,FIXED METAL FILM	3.3K OHM 1/6 W 1.00% TA26	
		R116	LG0RN2701F408	O	O	O	RESISTOR,FIXED METAL FILM	2.7K OHM 1/6 W 1.00% TA26	
		R117	LG0RD2700F608	O	O	O	RESISTOR,FIXED CARBON FILM	270 OHM 1/6 W 5.00% TA26	
		R118	LG0RD1003F608	O	O	O	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5.00% TA26	
		R119	LG0RD1003F608	O	O	O	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5.00% TA26	
		R131	LG0RD2203F608	O	O	O	RESISTOR,FIXED CARBON FILM	220K OHM 1/6 W 5.00% TA26	
		R132	LG0RD2203F608	O	O	O	RESISTOR,FIXED CARBON FILM	220K OHM 1/6 W 5.00% TA26	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		R153	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R154	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R155	LG0RD1802F608	O	O	O	RESISTOR, FIXED CARBON FILM	18K OHM 1/6 W 5.00% TA26	
		R156	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R157	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R158	LG0RD3300F608	O	O	O	RESISTOR, FIXED CARBON FILM	330 OHM 1/6 W 5.00% TA26	
		R159	LG0RD3300F608	O	O	O	RESISTOR, FIXED CARBON FILM	330 OHM 1/6 W 5.00% TA26	
		R160	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R161	LG0RD3300F608	O	O	O	RESISTOR, FIXED CARBON FILM	330 OHM 1/6 W 5.00% TA26	
		R162	LG0RD3300F608	O	O	O	RESISTOR, FIXED CARBON FILM	330 OHM 1/6 W 5.00% TA26	
		R163	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R164	LG0RD4702F608	O	O	O	RESISTOR, FIXED CARBON FILM	47K OHM 1/6 W 5.00% TA26	
		R168	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R169	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R171	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R172	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R301	LG0RD5602F608	O	O	O	RESISTOR, FIXED CARBON FILM	56K OHM 1/6 W 5.00% TA26	
		R302	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R303	LG0RD1802F608	O	O	O	RESISTOR, FIXED CARBON FILM	18K OHM 1/6 W 5.00% TA26	
		R304	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R305	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R306	LG0RD2202F608	O	O	O	RESISTOR, FIXED CARBON FILM	22K OHM 1/6 W 5.00% TA26	
		R307	LG0RD2201F608	O	O	O	RESISTOR, FIXED CARBON FILM	2.2K OHM 1/6 W 5.00% TA26	
		R308	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R309	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R310	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R311	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R312	LG0RD6802F608	O	O	O	RESISTOR, FIXED CARBON FILM	68K OHM 1/6 W 5.00% TA26	
		R313	LG0RD0221F608	O	O	O	RESISTOR, FIXED CARBON FILM	2.2 OHM 1/6 W 5.00% TA26	
		R314	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R315	LG0RD0472F608	O	O	O	RESISTOR, FIXED CARBON FILM	47 OHM 1/6 W 5.00% TA26	
		R316	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	
		R317	LG0RD5601F608	O	O	O	RESISTOR, FIXED CARBON FILM	5.6K OHM 1/6 W 5.00% TA26	
		R318	LG0RD3901F608	O	O	O	RESISTOR, FIXED CARBON FILM	3.9K OHM 1/6 W 5.00% TA26	
		R319	LG0RD5600F608	O	O	O	RESISTOR, FIXED CARBON FILM	560 OHM 1/6 W 5.00% TA26	
		R320	LG0RD1500F608	O	O	O	RESISTOR, FIXED CARBON FILM	150 OHM 1/6 W 5.00% TA26	
		R321	LG0RD1201F608	O	O	O	RESISTOR, FIXED CARBON FILM	1.2K OHM 1/6 W 5.00% TA26	
		R322	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R323	LG0RD5601F608	O	O	O	RESISTOR, FIXED CARBON FILM	5.6K OHM 1/6 W 5.00% TA26	
		R324	LG0RD3303F608	O	O	O	RESISTOR, FIXED CARBON FILM	330K OHM 1/6 W 5.00% TA26	
		R325	LG0RD4700F608	O	O	O	RESISTOR, FIXED CARBON FILM	470 OHM 1/6 W 5.00% TA26	
		R326	LG0RD1202F608	O	O	O	RESISTOR, FIXED CARBON FILM	12K OHM 1/6 W 5.00% TA26	
		R327	LG0RD5601F608	O	O	O	RESISTOR, FIXED CARBON FILM	5.6K OHM 1/6 W 5.00% TA26	
		R328	LG0RD2700F608	O	O	O	RESISTOR, FIXED CARBON FILM	270 OHM 1/6 W 5.00% TA26	
		R329	LG0RD1202F608	O	O	O	RESISTOR, FIXED CARBON FILM	12K OHM 1/6 W 5.00% TA26	
		R330	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R331	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R332	LG0RD4702F608	O	O	O	RESISTOR, FIXED CARBON FILM	47K OHM 1/6 W 5.00% TA26	
		R333	LG0RD3901F608	O	O	O	RESISTOR, FIXED CARBON FILM	3.9K OHM 1/6 W 5.00% TA26	
		R334	LG0RD2701F608	O	O	O	RESISTOR, FIXED CARBON FILM	2.7K OHM 1/6 W 5.00% TA26	
		R335	LG0RD6801F608	O	O	O	RESISTOR, FIXED CARBON FILM	6.8K OHM 1/6 W 5.00% TA26	
		R336	LG0RD1003F608	O	O	O	RESISTOR, FIXED CARBON FILM	100K OHM 1/6 W 5.00% TA26	
		R337	LG0RD2201F608	O	O	O	RESISTOR, FIXED CARBON FILM	2.2K OHM 1/6 W 5.00% TA26	
		R338	LG0RD2700F608	O	O	O	RESISTOR, FIXED CARBON FILM	270 OHM 1/6 W 5.00% TA26	
		R339	LG0RD5600F608	O	O	O	RESISTOR, FIXED CARBON FILM	560 OHM 1/6 W 5.00% TA26	
		R340	LG0RD1802F608	O	O	O	RESISTOR, FIXED CARBON FILM	18K OHM 1/6 W 5.00% TA26	
		R341	LG0RD5601F608	O	O	O	RESISTOR, FIXED CARBON FILM	5.6K OHM 1/6 W 5.00% TA26	
		R342	LG0RD5600F608	O	O	O	RESISTOR, FIXED CARBON FILM	560 OHM 1/6 W 5.00% TA26	
		R345	LG0RD4700F608	O	O	O	RESISTOR, FIXED CARBON FILM	470 OHM 1/6 W 5.00% TA26	
		R346	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	
		R347	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	
		R349	LG0RD1801F608	O	O	O	RESISTOR, FIXED CARBON FILM	1.8K OHM 1/6 W 5.00% TA26	
		R350	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R351	LG0RD8203F608	O	O	O	RESISTOR, FIXED CARBON FILM	820K OHM 1/6 W 5.00% TA26	
		R501	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		R502	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	
		R503	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R504	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R505	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R508	LG0RD3301F608	O	O	O	RESISTOR, FIXED CARBON FILM	3.3K OHM 1/6 W 5.00% TA26	
		R509	LG0RD1801F608	O	O	O	RESISTOR, FIXED CARBON FILM	1.8K OHM 1/6 W 5.00% TA26	
		R510	LG0RD2201F608	O	O	O	RESISTOR, FIXED CARBON FILM	2.2K OHM 1/6 W 5.00% TA26	
		R511	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R512	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R513	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R514	LG0RD1203F608	O	O	O	RESISTOR, FIXED CARBON FILM	120K OHM 1/6 W 5.00% TA26	
		R515	LG0RD1801F608	O	O	O	RESISTOR, FIXED CARBON FILM	1.8K OHM 1/6 W 5.00% TA26	
		R516	LG0RD4703F608	O	O	O	RESISTOR, FIXED CARBON FILM	470K OHM 1/6 W 5.00% TA26	
		R517	LG0RD4700F608	O	O	O	RESISTOR, FIXED CARBON FILM	470 OHM 1/6 W 5.00% TA26	
		R518	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R520	LG0RD3901F608	O	O	O	RESISTOR, FIXED CARBON FILM	3.9K OHM 1/6 W 5.00% TA26	
		R521	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R522	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R523	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R524	LG0RD0222F608	O	O	O	RESISTOR, FIXED CARBON FILM	22 OHM 1/6 W 5.00% TA26	
		R525	LG0RD5601F608	O	O	O	RESISTOR, FIXED CARBON FILM	5.6K OHM 1/6 W 5.00% TA26	
		R526	LG0RD5601F608	O	O	O	RESISTOR, FIXED CARBON FILM	5.6K OHM 1/6 W 5.00% TA26	
		R528	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R529	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R530	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R531	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R535	LG0RD4703F608	O	O	O	RESISTOR, FIXED CARBON FILM	470K OHM 1/6 W 5.00% TA26	
		R542	LG0RD2201F608	O	O	O	RESISTOR, FIXED CARBON FILM	2.2K OHM 1/6 W 5.00% TA26	
		R543	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	
		R544	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R546	LG0RD5601F608	O	O	O	RESISTOR, FIXED CARBON FILM	5.6K OHM 1/6 W 5.00% TA26	
		R547	LG0RD1202F608	O	O	O	RESISTOR, FIXED CARBON FILM	12K OHM 1/6 W 5.00% TA26	
		R548	LG0RD1003F608	O	O	O	RESISTOR, FIXED CARBON FILM	100K OHM 1/6 W 5.00% TA26	
		R550	LG0RD2200F608	O	O	O	RESISTOR, FIXED CARBON FILM	220 OHM 1/6 W 5.00% TA26	
		R553	LG0RD2200F608	O	O	O	RESISTOR, FIXED CARBON FILM	220 OHM 1/6 W 5.00% TA26	
		R555	LG0RD2200F608	O	O	O	RESISTOR, FIXED CARBON FILM	220 OHM 1/6 W 5.00% TA26	
		R556	LG0RD2202F608	O	O	O	RESISTOR, FIXED CARBON FILM	22K OHM 1/6 W 5.00% TA26	
		R557	LG0RD2702F608	O	O	O	RESISTOR, FIXED CARBON FILM	27K OHM 1/6 W 5.00% TA26	
		R558	LG0RD2202F608	O	O	O	RESISTOR, FIXED CARBON FILM	22K OHM 1/6 W 5.00% TA26	
		R559	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R560	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R561	LG0RD5600F608	O	O	O	RESISTOR, FIXED CARBON FILM	560 OHM 1/6 W 5.00% TA26	
		R562	LG0RD5600F608	O	O	O	RESISTOR, FIXED CARBON FILM	560 OHM 1/6 W 5.00% TA26	
		R563	LG0RD5601F608	O	O	O	RESISTOR, FIXED CARBON FILM	5.6K OHM 1/6 W 5.00% TA26	
		R564	LG0RD2702F608	O	O	O	RESISTOR, FIXED CARBON FILM	27K OHM 1/6 W 5.00% TA26	
		R566	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R567	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R568	LG0RD6802F608	O	O	O	RESISTOR, FIXED CARBON FILM	68K OHM 1/6 W 5.00% TA26	
		R569	LG0RD1004F608	O	O	O	RESISTOR, FIXED CARBON FILM	1M OHM 1/6 W 5.00% TA26	
		R570	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R575	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R576	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R577	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R578	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R579	LG0RD5602F608	O	O	O	RESISTOR, FIXED CARBON FILM	56K OHM 1/6 W 5.00% TA26	
		R582	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	
		R583	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R589	LG0RD1004F608	O	O	O	RESISTOR, FIXED CARBON FILM	1M OHM 1/6 W 5.00% TA26	
		R591	LG0RD1003F608	O	O	O	RESISTOR, FIXED CARBON FILM	100K OHM 1/6 W 5.00% TA26	
		R5A2	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R5A3	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R5A5	LG0RD4703F608	O	O	O	RESISTOR, FIXED CARBON FILM	470K OHM 1/6 W 5.00% TA26	
		R5B3	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R5B4	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R5B5	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		R5C1	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R5C5	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R5C6	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R5C7	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R5C9	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R5P2	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R5P3	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R5R8	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R5S1	LG0RD5601F608	O	O	O	RESISTOR, FIXED CARBON FILM	5.6K OHM 1/6 W 5.00% TA26	
		R701	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R704	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R705	LG0RD2200F608	O	O	O	RESISTOR, FIXED CARBON FILM	220 OHM 1/6 W 5.00% TA26	
		R706	LG0RD2200F608	O	O	O	RESISTOR, FIXED CARBON FILM	220 OHM 1/6 W 5.00% TA26	
		R707	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R710	LG0RD3301F608	O	O	O	RESISTOR, FIXED CARBON FILM	3.3K OHM 1/6 W 5.00% TA26	
		R711	LG0RD3301F608	O	O	O	RESISTOR, FIXED CARBON FILM	3.3K OHM 1/6 W 5.00% TA26	
		R712	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R713	LG0RD5601F608	O	O	O	RESISTOR, FIXED CARBON FILM	5.6K OHM 1/6 W 5.00% TA26	
		R715	LG0RD3901F608	O	O	O	RESISTOR, FIXED CARBON FILM	3.9K OHM 1/6 W 5.00% TA26	
		R716	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R717	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	
		R718	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	
		R7M2	LG0RD2200F608	O	O	O	RESISTOR, FIXED CARBON FILM	220 OHM 1/6 W 5.00% TA26	
		R7M5	LG0RD2200F608	O	O	O	RESISTOR, FIXED CARBON FILM	220 OHM 1/6 W 5.00% TA26	
		R7V1	LG0RD1004F608	O	O	O	RESISTOR, FIXED CARBON FILM	1M OHM 1/6 W 5.00% TA26	
		R7V2	LG0RD8202F608	O	O	O	RESISTOR, FIXED CARBON FILM	82K OHM 1/6 W 5.00% TA26	
		R7V3	LG0RD6801F608	O	O	O	RESISTOR, FIXED CARBON FILM	6.8K OHM 1/6 W 5.00% TA26	
		R7V4	LG0RD5603F608	O	O	O	RESISTOR, FIXED CARBON FILM	560K OHM 1/6 W 5.00% TA26	
		R7V5	LG0RD6801F608	O	O	O	RESISTOR, FIXED CARBON FILM	6.8K OHM 1/6 W 5.00% TA26	
		R7V6	LG0RD5603F608	O	O	O	RESISTOR, FIXED CARBON FILM	560K OHM 1/6 W 5.00% TA26	
		R7V7	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R7V8	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	
		R7V9	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	
		R801	LG0RD3304F608	O	O	O	RESISTOR, FIXED CARBON FILM	3.3M OHM 1/6 W 5.00% TA26	
		R802	LG0RD3302F608	O	O	O	RESISTOR, FIXED CARBON FILM	33K OHM 1/6 W 5.00% TA26	
		R803	LG0RD2701F608	O	O	O	RESISTOR, FIXED CARBON FILM	2.7K OHM 1/6 W 5.00% TA26	
		R804	LG0RD3902F608	O	O	O	RESISTOR, FIXED CARBON FILM	39K OHM 1/6 W 5.00% TA26	
		R805	LG0RD2701F608	O	O	O	RESISTOR, FIXED CARBON FILM	2.7K OHM 1/6 W 5.00% TA26	
		R806	LG0RD3302F608	O	O	O	RESISTOR, FIXED CARBON FILM	33K OHM 1/6 W 5.00% TA26	
		R807	LG0RD4700F608	O	O	O	RESISTOR, FIXED CARBON FILM	470 OHM 1/6 W 5.00% TA26	
		R808	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R809	LG0RD1802F608	O	O	O	RESISTOR, FIXED CARBON FILM	18K OHM 1/6 W 5.00% TA26	
		R810	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	
		R811	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	
		R812	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R816	LG0RD4700F608	O	O	O	RESISTOR, FIXED CARBON FILM	470 OHM 1/6 W 5.00% TA26	
		R821	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R822	LG0RD2202F608	O	O	O	RESISTOR, FIXED CARBON FILM	22K OHM 1/6 W 5.00% TA26	
		R823	LG0RD1002F608	O	O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R824	LG0RD2202F608	O	O	O	RESISTOR, FIXED CARBON FILM	22K OHM 1/6 W 5.00% TA26	
		R825	LG0RD5600F608	O	O	O	RESISTOR, FIXED CARBON FILM	560 OHM 1/6 W 5.00% TA26	
		R826	LG0RD5600F608	O	O	O	RESISTOR, FIXED CARBON FILM	560 OHM 1/6 W 5.00% TA26	
		R835	LG0RD0752F608	O	O	O	RESISTOR, FIXED CARBON FILM	75 OHM 1/6 W 5.00% TA26	
		R842	LG0RD3300F608	O	O	O	RESISTOR, FIXED CARBON FILM	330 OHM 1/6 W 5.00% TA26	
		R843	LG0RD3300F608	O	O	O	RESISTOR, FIXED CARBON FILM	330 OHM 1/6 W 5.00% TA26	
		R850	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	
		R851	LG0RD1000F608	O	O	O	RESISTOR, FIXED CARBON FILM	100 OHM 1/6 W 5.00% TA26	
		R861	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R862	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R869	LG0RD3300F608	O	O	O	RESISTOR, FIXED CARBON FILM	330 OHM 1/6 W 5.00% TA26	
		R870	LG0RD3300F608	O	O	O	RESISTOR, FIXED CARBON FILM	330 OHM 1/6 W 5.00% TA26	
		R874	LG0RD0752F608	O	O	O	RESISTOR, FIXED CARBON FILM	75 OHM 1/6 W 5.00% TA26	
		R875	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R876	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R877	LG0RD5600F608	O	O	O	RESISTOR, FIXED CARBON FILM	560 OHM 1/6 W 5.00% TA26	

S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		R878	LG0RD5600F608	O	O	O	RESISTOR, FIXED CARBON FILM	560 OHM 1/6 W 5.00% TA26	
		R890	LG0RD0752F608		O	O	RESISTOR, FIXED CARBON FILM	75 OHM 1/6 W 5.00% TA26	
		R890	LG0RD5600F608	O			RESISTOR, FIXED CARBON FILM	560 OHM 1/6 W 5.00% TA26	
		R901	LG0RD1202F608		O	O	RESISTOR, FIXED CARBON FILM	12K OHM 1/6 W 5.00% TA26	
		R902	LG0RD1002F608		O	O	RESISTOR, FIXED CARBON FILM	10K OHM 1/6 W 5.00% TA26	
		R903	LG0RD0752F608	O	O	O	RESISTOR, FIXED CARBON FILM	75 OHM 1/6 W 5.00% TA26	
		R913	LG0RD0752F608	O	O	O	RESISTOR, FIXED CARBON FILM	75 OHM 1/6 W 5.00% TA26	
		R914	LG0RD0752F608	O	O	O	RESISTOR, FIXED CARBON FILM	75 OHM 1/6 W 5.00% TA26	
		R915	LG0RD5601F608	O	O	O	RESISTOR, FIXED CARBON FILM	5.6K OHM 1/6 W 5.00% TA26	
		R921	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R922	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		RS501	LG6500RAB003A	O	O	O	SENSOR	SG-260 KODENSHI D33 REEL SENSO	
		RS502	LG6500RAB003A	O	O	O	SENSOR	SG-260 KODENSHI D33 REEL SENSO	
		SC901	LG6620RM0002J		O	O	JACK, SCART	DSAM-0121 DOOWON 2F-21P(BL-BK)	
		SC901	LG6620RM0002L	O			JACK, SCART	DSAM-0139 DOOWON 2F-21P(BK-BK)	
△		T101	LG6170RNGW12A	O	O	O	TRANSFORMER, SMPS[COIL]	EER3530 SOOJUNG WIDE EER3530	
		TU701	LG6700PFPL03C	O			TUNER	I TADC-U301D LG PAL FS Y2K2	
		TU701	LG6700PFPL03F		O	O	TUNER	TADC-M341D HIFI Y2K2 LG PAL FS	
△		V101	LG656-004C	O	O	O	VARISTOR	SVC681D-10A SAMHWA 4.0 CUT	
		X301	LG6202R2443AC	O	O	O	RESONATOR, CRYSTAL	HC49U BUBANG 4-433709MHZ 15	
		X501	LG6212AA2100C	O	O	O	RESONATOR, CRYSTAL	HC-49S BUBANG 10MHZ +/- 30 PPM	
		X751	LG529-021Q	O	O	O	RESONATOR, CRYSTAL	49U BUBANG 18432000HZ 30PPM 16	
		ZD101	LG0DZ332609FA	O	O	O	DIODE, ZENER	UZ-3.3BSB 26MM TP PYUNG CHANG	
		ZD103	LG0DZ132609BB	O	O	O	DIODE, ZENER	UZ-13BSA 26MM TP PYUNG CHANG	
		ZD105	LG0DZ562609AB	O	O	O	DIODE, ZENER	UZ-5.6BSC 26MM TP PYUNG CHANG	
		ZD503	LG0DZ620009AM	O	O	O	DIODE, ZENERS	UZ-6.2BSC 26MM PYUNG CHANG TP	
		ZD801	LG0DZ562609AB	O	O	O	DIODE, ZENER	UZ-5.6BSC 26MM TP PYUNG CHANG	
		ZD802	LG0DZ562609AB	O	O	O	DIODE, ZENER	UZ-5.6BSC 26MM TP PYUNG CHANG	
		Q514	LG0TR100309AA	O	O	O	TRANSISTOR	KSR1003 TP (S/S)	
		Q515	LG0TR100309AA	O	O	O	TRANSISTOR	KSR1003 TP (S/S)	
		ZD103	LG0DZ130009AA	O	O	O	DIODE, ZENER	MTZ13A TP ROHM-K	
COMMON SECTION									
BOARD ASSEMBLY (A49)									
CAPACITOR									
		C601	LG0CE1064F638	O	O	O	CAPACITOR, ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C602	LG0CE4775C638	O	O	O	CAPACITOR, FIXED ELECTROLYTIC	470UF SR, SV 6.3V 20% FM5 TP 5	
		C603	LG0CN223AK948	O	O	O	CAPACITOR, TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
		C604	LG0CN1040K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C606	LG0CN1040K948	O	O	O	CAPACITOR, FIXED TUBULAR(High d	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C611	LG0CN1020K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C612	LG0CN1020K518	O	O	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		DG601	LG6302RCV118B	O	O	O	DIGITRON	VFD25-1104A ZEC SEG VFD COMBI	
		IC601	LG0IPRPNE001A	O	O	O	IC, PERIPHERALS	UPD16315GB-3BS NEC 44 QFP BK F	
		L601	LG0LR8200J025	O	O	O	INDUCTOR, RADIAL LEAD	820UH 5% 4X5 TR5	
		L602	LG0LA1000K018	O	O	O	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		L603	LG0LA1000K018	O	O	O	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		R601	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R602	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R603	LG0RD1001F608	O	O	O	RESISTOR, FIXED CARBON FILM	1K OHM 1/6 W 5.00% TA26	
		R604	LG0RD5602F608	O	O	O	RESISTOR, FIXED CARBON FILM	56K OHM 1/6 W 5.00% TA26	
		R605	LG0RD3300F608	O	O	O	RESISTOR, FIXED CARBON FILM	330 OHM 1/6 W 5.00% TA26	
		R606	LG0RD0471F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7 OHM 1/6 W 5.00% TA26	
		R607	LG0RD0471F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7 OHM 1/6 W 5.00% TA26	
		R612	LG0RD6800F608	O	O	O	RESISTOR, FIXED CARBON FILM	680 OHM 1/6 W 5.00% TA26	
		R613	LG0RD8200F608	O	O	O	RESISTOR, FIXED CARBON FILM	820 OHM 1/6 W 5.00% TA26	
		R614	LG0RD1201F608	O	O	O	RESISTOR, FIXED CARBON FILM	1.2K OHM 1/6 W 5.00% TA26	
		R615	LG0RD1501F608	O	O	O	RESISTOR, FIXED CARBON FILM	1.5K OHM 1/6 W 5.00% TA26	
		R616	LG0RD2201F608	O	O	O	RESISTOR, FIXED CARBON FILM	2.2K OHM 1/6 W 5.00% TA26	
		R617	LG0RD3301F608	O	O	O	RESISTOR, FIXED CARBON FILM	3.3K OHM 1/6 W 5.00% TA26	
		R618	LG0RD4701F608	O	O	O	RESISTOR, FIXED CARBON FILM	4.7K OHM 1/6 W 5.00% TA26	
		R619	LG0RD8201F608	O	O	O	RESISTOR, FIXED CARBON FILM	8.2K OHM 1/6 W 5.00% TA26	
		R620	LG0RD1502F608	O	O	O	RESISTOR, FIXED CARBON FILM	15K OHM 1/6 W 5.00% TA26	
		R641	LG0RD0752F608	O	O	O	RESISTOR, FIXED CARBON FILM	75 OHM 1/6 W 5.00% TA26	
		RC601	LG6712R1638GA	O	O	O	REMOTE CONTROLLER RECEIVER	TSOP1838RF1 VISHAY(TEMIC) 37-	

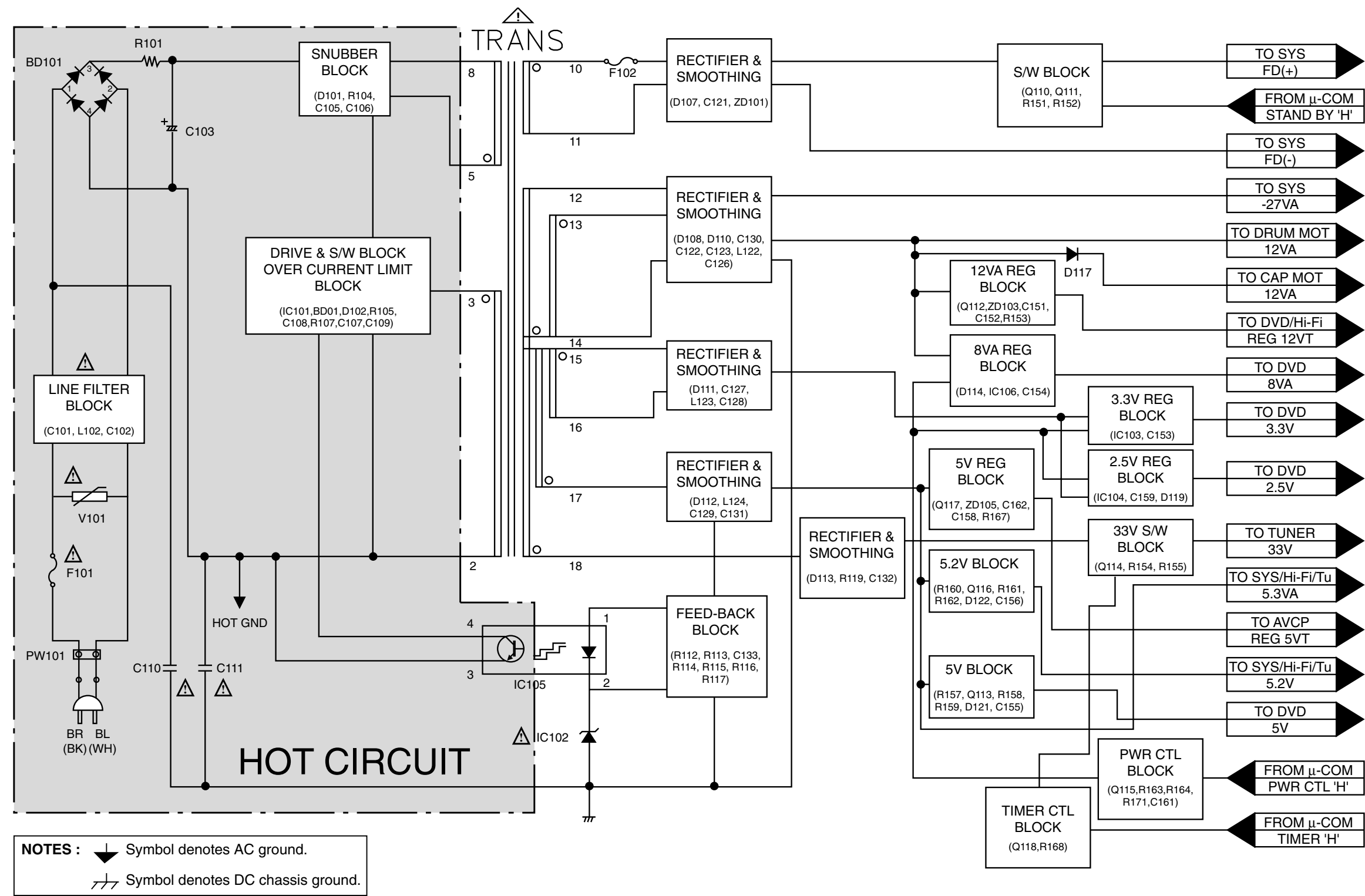
S	AL	LOCA.NO	PART NO(LG)	A	B	C	DESCRIPTION	SPECIFICATION	REMARKS
		SW601	LG556-219B	O	O	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW603	LG556-219B	O	O	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW605	LG556-219B	O	O	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW607	LG556-219B	O	O	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW608	LG556-219B	O	O	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW609	LG556-219B	O	O	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW610	LG556-219B	O	O	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
BOARD ASSEMBLY (A42)									
		LED601	LG0DL112000AJ	O	O	O	DIODE,LED	DL-11S2RNS(SUPER,RED,03)KOC	
		LED602	LG0DL112000AJ	O	O	O	DIODE,LED	DL-11S2RNS(SUPER,RED,03)KOC	
		R630	LG0RD1500F608	O	O	O	RESISTOR,FIXED CARBON FILM	150 OHM 1/6 W 5.00% TA26	
		R631	LG0RD1500F608	O	O	O	RESISTOR,FIXED CARBON FILM	150 OHM 1/6 W 5.00% TA26	
		R633	LG0RD6800F608	O	O	O	RESISTOR,FIXED CARBON FILM	680 OHM 1/6 W 5.00% TA26	
		R634	LG0RD8200F608	O	O	O	RESISTOR,FIXED CARBON FILM	820 OHM 1/6 W 5.00% TA26	
		R635	LG0RD1201F608	O	O	O	RESISTOR,FIXED CARBON FILM	1.2K OHM 1/6 W 5.00% TA26	
		R636	LG0RD1501F608	O	O	O	RESISTOR,FIXED CARBON FILM	1.5K OHM 1/6 W 5.00% TA26	
		R637	LG0RD2201F608	O	O	O	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5.00% TA26	
		SW632	LG556-219B	O	O	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW633	LG556-219B	O	O	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW634	LG556-219B	O	O	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW635	LG556-219B	O	O	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW636	LG556-219B	O	O	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	



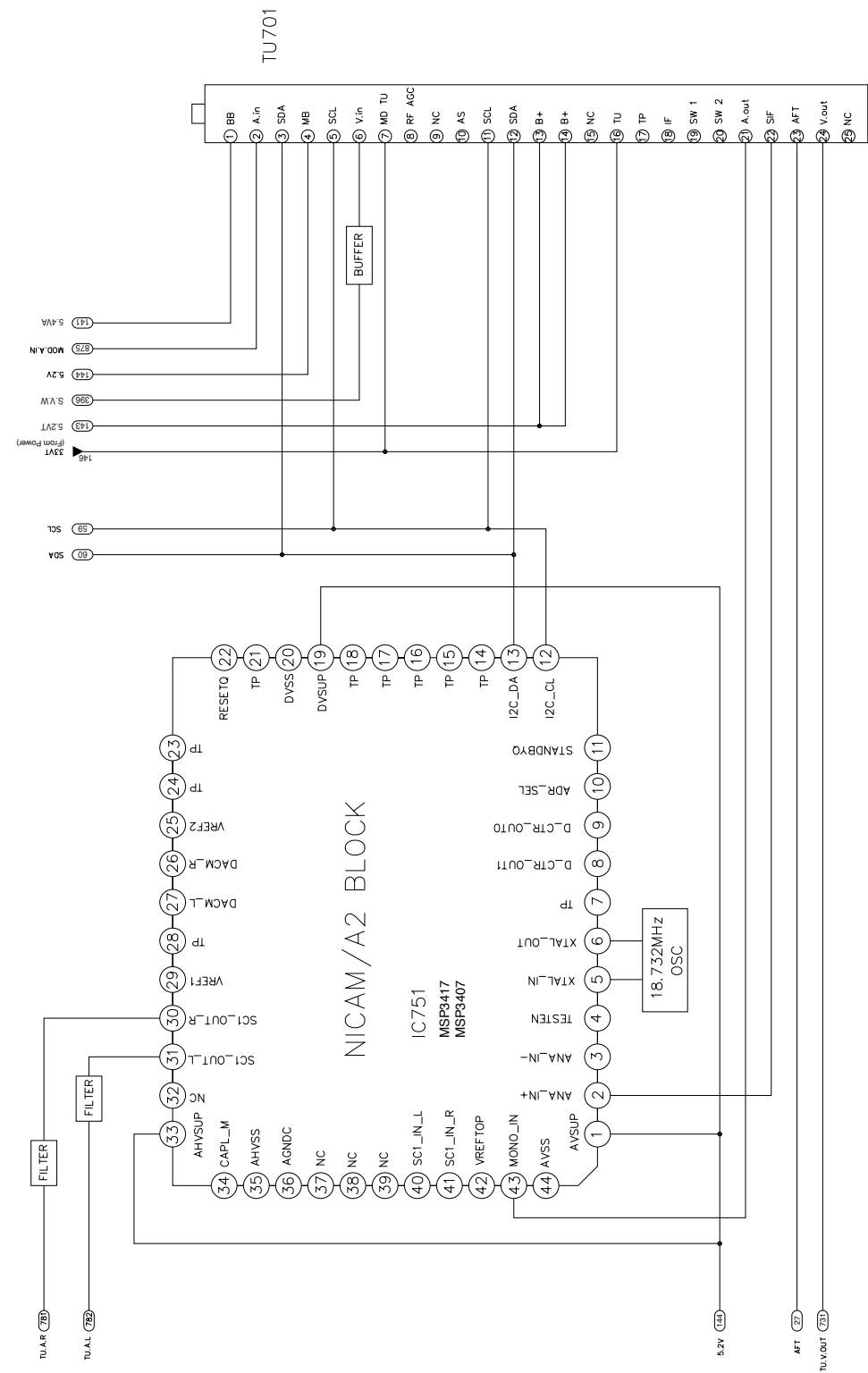
SANYO Electric Co.,Ltd.
Osaka, Japan

BLOCK DIAGRAMS

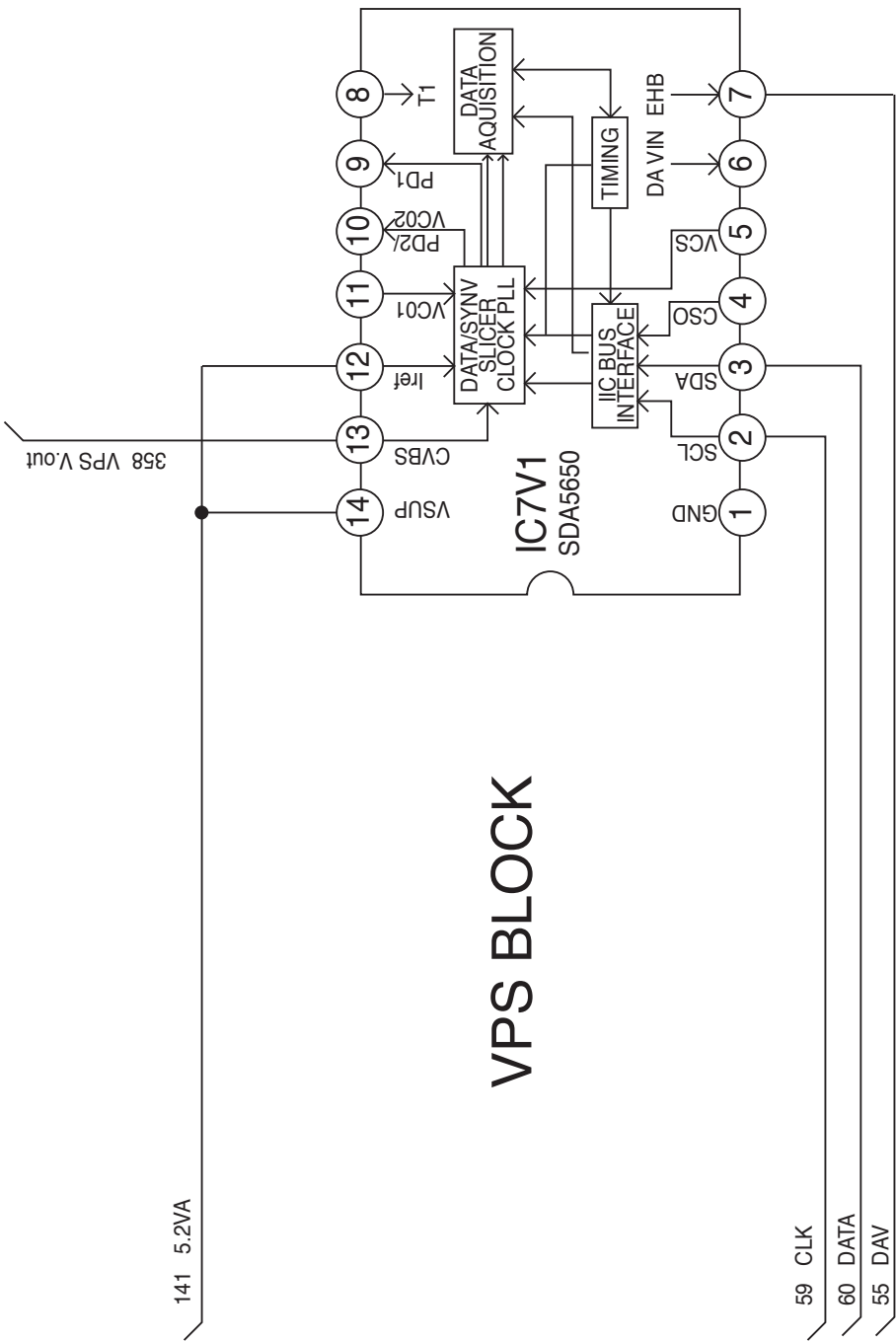
1. POWER(SMPS) BLOCK DIAGRAM



2. Tu/IF, NICAM & A2 BLOCK DIAGRAM

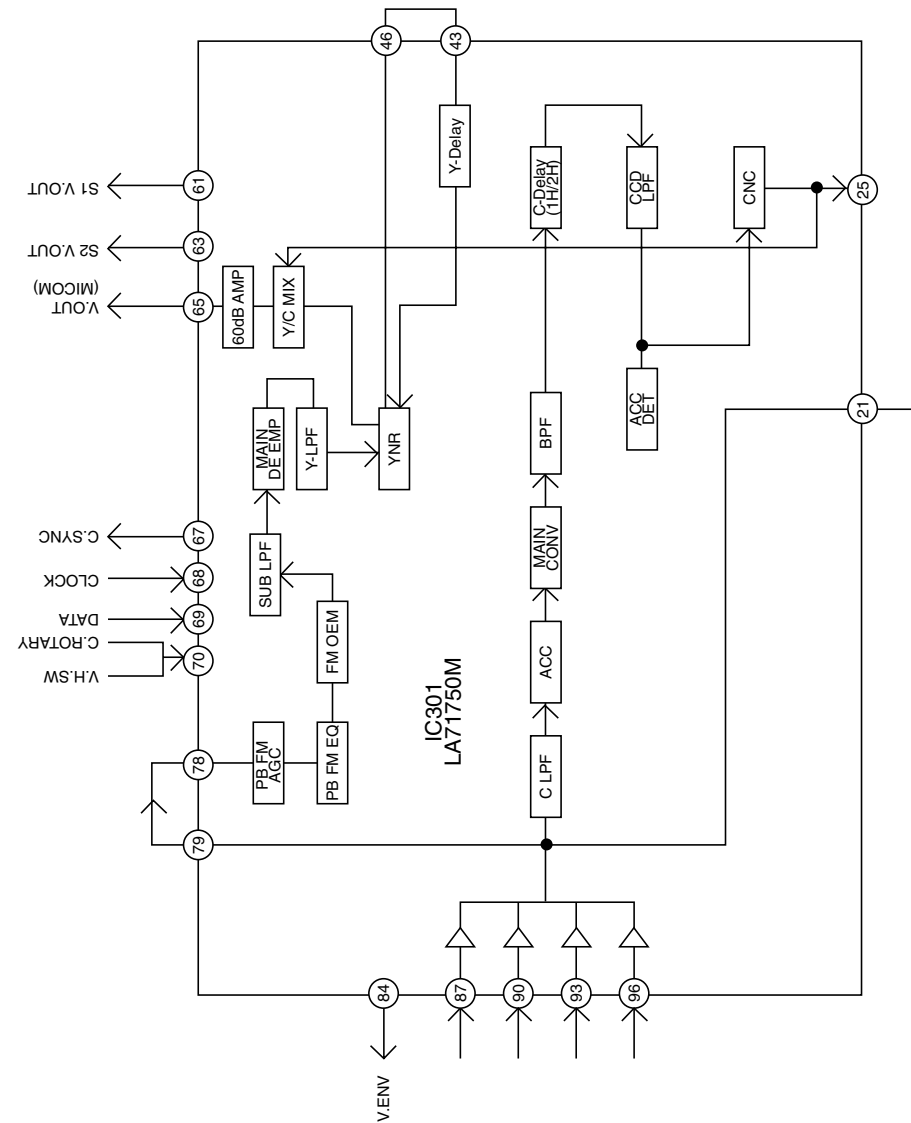


3. VPS BLOCK DIAGRAM

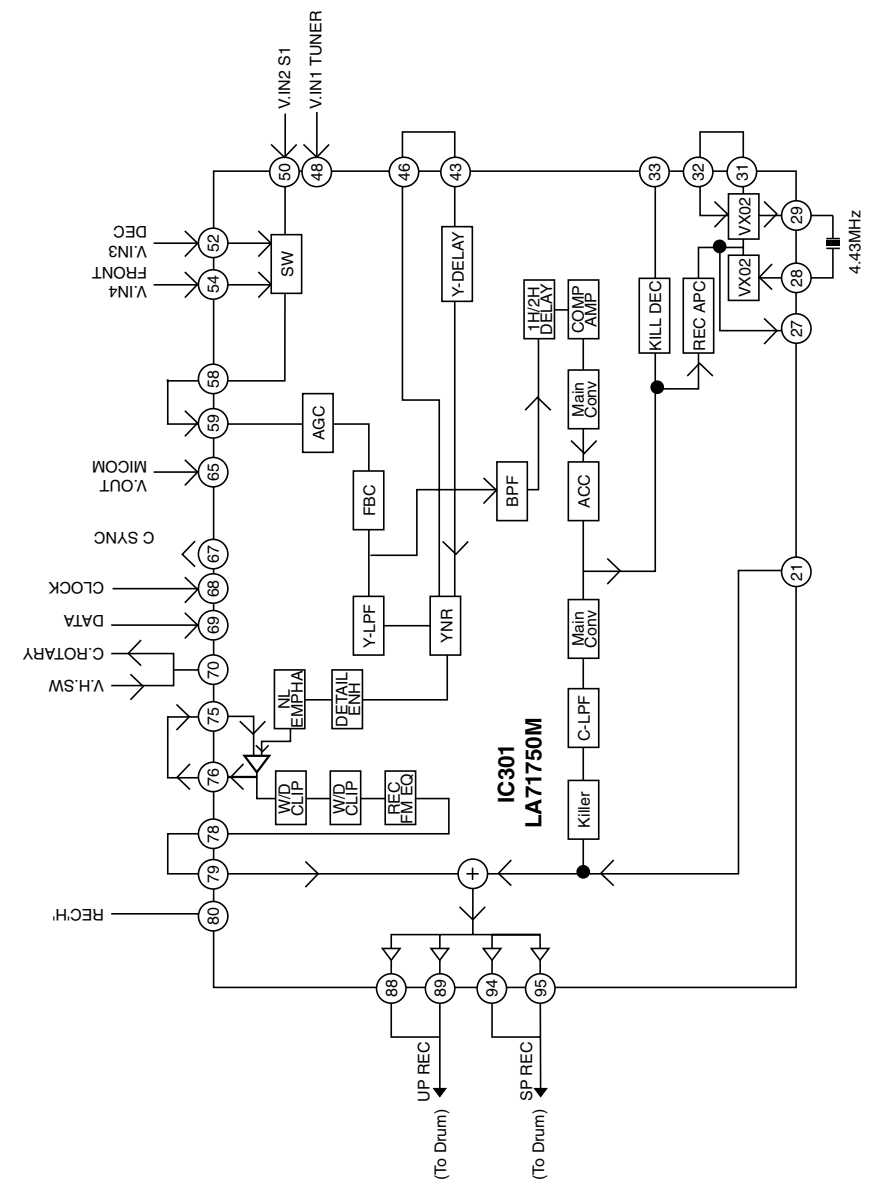


4. Y/C BLOCK DIAGRAM

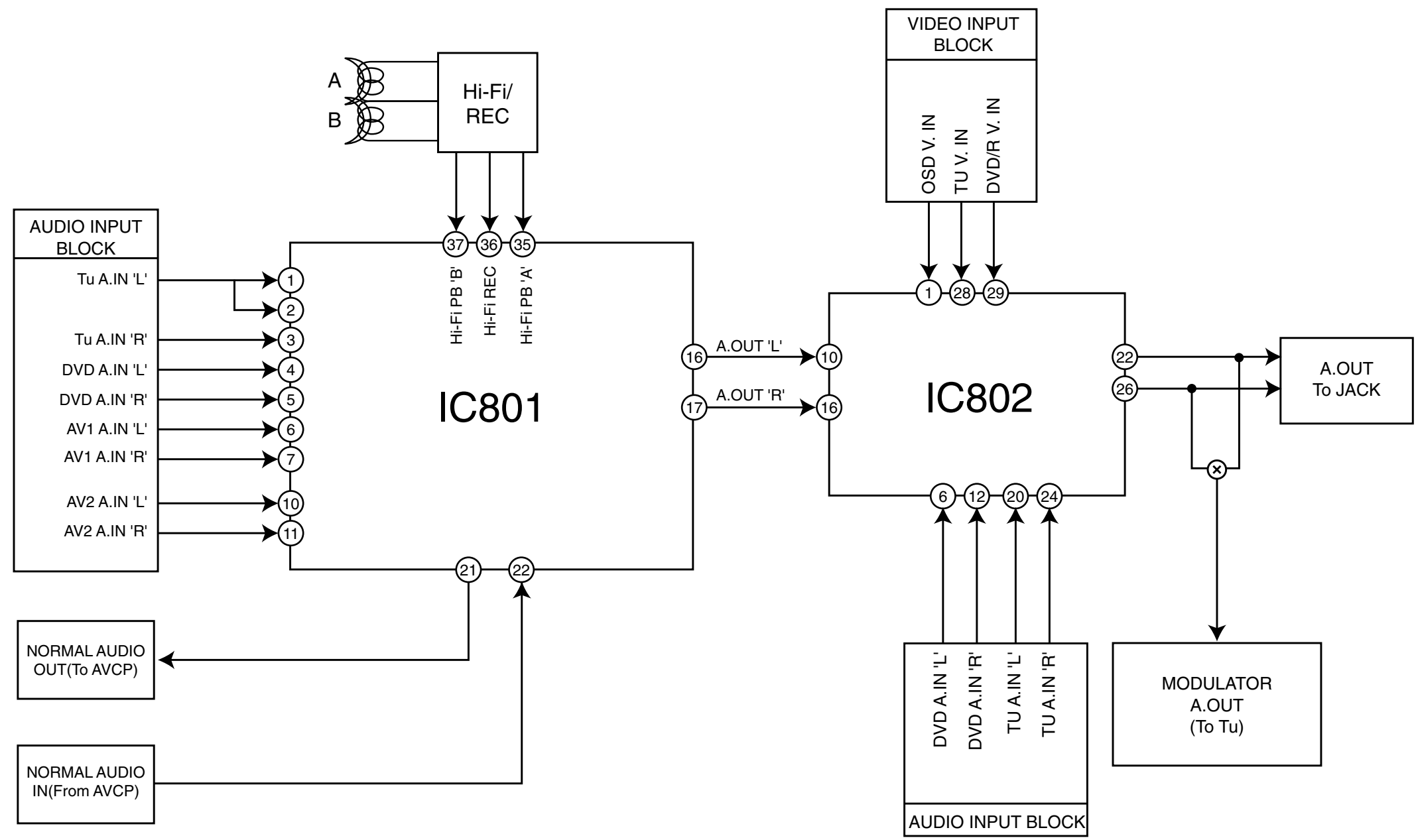
(PB MODE)



(REC MODE)



5. Hi-Fi BLOCK DIAGRAM



6. SYSTEM BLOCK DIAGRAM

